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National Research Council Canada
Conseil national de recherches Canada

Survey of Corrosion Research Laboratories

Prepared by:
Dr. R.J. Hussey
on behalf of the
International Corrosion Council (ICC)

Canada

SURVEY OF
CORROSION RESEARCH LABORATORIES

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PREFACE

The survey of corrosion research laboratories of member countries of the International Corrosion Council (ICC) was gathered from questionnaires and updates received from individual research laboratories. The listing contained herein comprises 619 entries from 35 countries. Each laboratory has been given a record number and the information was compiled in the order that it was received. The survey has been indexed both by country and research director and by country and institution. At the end of the compilation an index is also given listing entries (by record number) according to topic area. It was necessary to make occasional slight editorial changes in some of the information received in order to fit the survey into a uniform format for storage in the computer files.

It became evident from the questionnaires received that the original topic areas of corrosion research were too limited and so the list was extended. In addition information about the addresses of the laboratories and the names of the scientists and engineers involved in the research was often inadequate. A revised questionnaire is included, which should rectify these deficiencies when the survey is repeated in the future.

The survey was prepared by Dr. R. J. Hussey of the Metallic Corrosion and Oxidation Section at the National Research Council of Canada, Ottawa, Canada to assist Dr. J. Kruger, 1st Vice-Chairman of the ICC, in providing information on research laboratories worldwide. It is hoped that the survey will be of great benefit to the international corrosion community. This edition of the survey is available in bound form and copies can be obtained by completing and mailing the attached order form.

R. J. Hussey

July 1988

CORROSION SURVEY INDEXED BY COUNTRY AND RESEARCH DIRECTOR

RECORD NO.	COUNTRY	RESEARCH DIRECTOR	INSTITUTION
481	Argentina	Barreto	Argentine Government (Y. P. F.)
485	Argentina	Bessone	University of the South
486	Argentina	Galvele	Comision Nacional de Energia Atomica
487	Argentina	Marios	Gas del Estado
482	Argentina	Moina	Instituto Nacional de Tecnologia Industrial (INTI)
488	Argentina	Podesta	INIFTA
479	Argentina	Rascio	CIDEPINT
483	Argentina	Rosalea	Scientific and Technical Research Institute of the Armed Forces
478	Argentina	Videll	INIFTA (UNLP)
480	Argentina	Vilche	INIFTA
484	Argentina	de Sanchez	Inst. de Investigaciones en Ciencia y Tecnologia de Materiales
503	Australia	Atrens	University of Queensland
509	Australia	Beissel	Melbourne and Metropolitan Board of Works
507	Australia	Biddle	Taubmans Industries Ltd.
508	Australia	Boegel	Intico Pty. Ltd.
489	Australia	Cherry	Monash University
497	Australia	Coldham	State Electricity Commision of Victoria
490	Australia	Fletcher	Steel Mains Pty. Ltd.
492	Australia	Harris	University of New South Wales
511	Australia	Hinton	Defence Science and Technology Organization
500	Australia	Ingraham	Government Chemical Laboratories
505	Australia	MacLeod	Western Australian Museum
510	Australia	Martin	Commonwealth Scientific and Industrial Research Organization
502	Australia	May	Comalco Research Centre
504	Australia	Melbourne	
506	Australia	Nicholas	Hunter District Water Board
495	Australia	North	MATPROLABS
496	Australia	Papworth	Taywood Engineering Ltd.
501	Australia	Parry	AMDEL Ltd.
498	Australia	Roper	University of Sydney
499	Australia	Schweinsburg	Queensland Institute of Technology
494	Australia	Slattery	South Australian Institute of Technology
491	Australia	Vetters	Australian Welding Research Association
493	Australia	Young	University of New South Wales
442	Austria	Hampejs	Austria Draht GesmbH
441	Austria	Haselmair	Voest-Alpine AG
440	Austria	Hilbert	Technical University of Graz
443	Austria	Hochoertler	Vereinigte Edelstahlwerke (VEW)
438	Austria	Schreinlechnev	Austrian Research Centre Seibersdorf
444	Austria	Zitter	Montanuniversitaet Leoben
439	Austria	Zwilling	Institute for Testing and Research in Materials Technology (TVFA)
402	Azerbaijan SSR	Bairamov	Azerbaijan Academy of Sciences
436	Belgium		Katholieke Universiteit Leuven
437	Belgium		Katholieke Universiteit Leuven
431	Belgium	Bogaerts	Katholieke Universiteit Leuven
435	Belgium	Pourbaix	Belgian Center for Corrosion Study - CEBELCOR
432	Belgium	Tas	Studiecentrum voor Kernenergie/Centre d'Etudes Nucleaires
434	Belgium	Van Peteghem	Rijksuniversiteit Gent
433	Belgium	Vereecken	Vrije Universiteit Brussel
607	Brazil	Adamian	Universidade Federal do Rio de Janiero - COPPE/UFRJ
606	Brazil	Ataide	Centro Pesquisas e Desenvolvimento da Bahia - CEPED

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RECORD NO.	COUNTRY	RESEARCH DIRECTOR	INSTITUTION
610	Brazil	Cecchini	Instituto Tecnologico de Aeronautica - ITA
604	Brazil	Chaves	Instituto de Pesquisas Tecnologicas de Sao Paolo - IPT
619	Brazil	Coelho	Instituto Nacional de Tecnologia
609	Brazil	D'Alkaine	Universidade Federal de Sao Carlos
616	Brazil	Gentil	Centro de Pesquisas da ECOLAB
612	Brazil	Mannheimer	Centro de Pesquisas de Energia Eletrica - CEPEL/ELETROBRAS
615	Brazil	Marcondes	Centro de Pesquisas da COSIPA
617	Brazil	Marques	Centro de Pesquisas da AQUATEC
608	Brazil	Muller	Universidade Federal Do Rio Grande Do Sul
605	Brazil	Recena	Fundacao de Ciencia e Tecnologia - CIENTEC
613	Brazil	Rosa	Centro de Pesquisas da Cia. Siderurgica Nacional
603	Brazil	Uller	Instituto Nacional de Tecnologia - INT
618	Brazil	Uller	Associacao Brasileira de Corrosao - ABRACO
611	Brazil	de Oliveira Viana	Centro de Pesquisas Leopoldo Americo M. de Mello-PETROBRAS/CENPES
614	Brazil	de Queiroz Pinto	Centro de Pesquisas da Usiminas
2	Canada	Bradford	University of Alberta
75	Canada	Brossard	Institut de recherche d'Hydro-Quebec (IREQ)
1	Canada	Cahoon	University of Manitoba
64	Canada	Cox	Atomic Energy of Canada Limited
33	Canada	Garner	Pulp and Paper Research Institute
82	Canada	Goad	Alcan International Ltd.
81	Canada	Graham	National Research Council of Canada
4	Canada	Hope	Queen's University
24	Canada	Ives	McMaster University
57	Canada	Lichtenberger	Ontario Hydro Research Division
51	Canada	Revie	Energy, Mines and Resources Canada
3	Canada	Sheasby	University of Western Ontario
101	Canada	Taylor	Chalk River Nuclear Laboratories
22	Canada	Tromans	University of British Columbia
97	Canada	Watt	University of Windsor
549	Canary Islands (Spain)	Gonzalez Gonzalez	Universidad de La Laguna
315	China	Cai	Wuhan Iron and Steel Co.
286	China	Chai	Wuhan Iron and Steel Co.
285	China	Chen	Luoyang Institute of Ship Building Materials Research
299	China	Fang	Wuhan Research Institute of Materials Protection
298	China	Feng	Shanghai Iron and Steel Research Institute
304	China	Hsaio	Beijing University of Iron and Steel Technology
310	China	Huang	Chongqing University
313	China	Huang	Ministry of Machine Building
288	China	Huo	Dalian Institute of Technology
284	China	Ke	Academia Sinica
290	China	Kuang	Hunan University
318	China	Li	Baoji Non-Ferrous Metal Institute
307	China	Lin	National Bureau of Oceanography
301	China	Ma	Academia Sinica
309	China	Shi	Tianjin University
283	China	Shih	Academia Sinica
312	China	Shih	Academia Sinica
316	China	Shih	Academia Sinica
308	China	Song	Tianjin University

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RECORD NO.	COUNTRY	RESEARCH DIRECTOR	INSTITUTION
291	China	Tian	Xiamen University
300	China	Wu	Academia Sinica
296	China	Xi	Chinese Academy of Railway Sciences
294	China	Xiao	Beijing Institute of Aeronautical Materials
302	China	Xu	Academia Sinica
311	China	Xu	Ministry of Metallurgical Industry
314	China	Xu	Zhejiang Institute of Technology
289	China	Yang	Nanjing Institute of Chemical Technology
293	China	Yang	Shandong Polytechnic University
303	China	Yang	Shanghai Research Institute of Materials
295	China	Yao	Wuhan University
306	China	Ye	Huazhong University of Science and Technology
287	China	Zhang	Zhejiang Institute of Technology
317	China	Zhang	Zhejiang Institute of Technology
292	China	Zhu	Beijing Institute of Aeronautics and Astronautics
297	China	Zhu	Qingdao Laboratory for Marine Corrosion
305	China	Zuo	Beijing Institute of Chemical Technology
428	Czechoslovakia	Jarusek	Institute of Chemical Technology
429	Czechoslovakia	Kocich	Technical University
425	Czechoslovakia	Kubicek	Institute of Chemical Technology and Corrosion Engineering
430	Czechoslovakia	Mazanec	Metallurgical Institute
427	Czechoslovakia	Prochazka	Czech Technical University
424	Czechoslovakia	Svoboda	State Research Institute for Material Protection
426	Czechoslovakia	Vosta	Institute of Chemical Technology
461	Egypt	Ammar	University of Cairo
458	Egypt	Azim	Central Metallurgical R & D Institute
457	Egypt	El-Raghy	Cairo University
462	Egypt	Sadek	University of Alexandria
459	Egypt	Shams el Din	National Research Center
460	Egypt	Thabet	University of Ain Shams
477	Federal Republic Of Germany	Heusler	Technische Universitaet Clausthal
475	Federal Republic of Germany	Beck	Universitaet -GH-
471	Federal Republic of Germany	Doblhofer	Die Max-Planck-Gesellschaft
469	Federal Republic of Germany	Grabke	Max-Planck-Institut fuer Eisenforschun GmbH
473	Federal Republic of Germany	Kaesche	University of Erlangen-Nuernberg
472	Federal Republic of Germany	Kirchheim	Max-Planck-Institut for Metals Research
474	Federal Republic of Germany	Lorenz	University of Karlsruhe
470	Federal Republic of Germany	Schmitt	Laboratory for Corrosion Protection
476	Federal Republic of Germany	Schultze	Universitaet Duesseldorf
559	Finland	Hakkarainen	Technical Research Centre of Finland (VTT)
560	Finland	Hanninen	Technical Research Centre of Finland (VTT)
561	Finland	Hupa	Abo Akademi

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RECORD NO.	COUNTRY	RESEARCH DIRECTOR	INSTITUTION
562	Finland	Karjalainen	University of Oulu
557	Finland	Kettunen	Tampere University of Technology
558	Finland	Pulliainen	Savcor - Consulting OY
556	Finland	Ylasaari	Helsinki University of Technology
567	France	Beranger	University of Technology of Compiegne (UTC)
577	France	Berge	Groupe des Laboratoires
591	France	Bouhiron	Rhone Poulenc Sante
592	France	Celati	Etablissement Technique Central de l'Armement (C.R.E.A.)
581	France	Charbonnier	IRSID
564	France	Colson	Faculte des Sciences Mirande
568	France	Crousier	Universite de Provence
590	France	Dabosi	Ecole Nationale Superieure de Chimie de Toulouse
575	France	Daufin	Institut National de la Recherche Agronomique
588	France	Debuigne	Institut National des Sciences Appliquees
574	France	Desjardins	Laboratoire de Mecanique Physique
583	France	Froment	Universite Pierre et Marie Curie (associe a)
589	France	Galland	Ecole Centrale des Arts et Manufactures
578	France	Guiraldenq	Ecole Centrale de Lyon (ECL)
579	France	Hoch	E. N. S. des Techniques Industrielles et des Mines de Douai
585	France	Kneib	Rhone Poulenc Industrialisation
563	France	Le Guyader	DCAN - CETEC/MCP
573	France	Lecoze	Ecole des Mines
571	France	Lemaire	Institut des Sciences de l'Ingenieur (CUST) Univ. Blaise-Pascal
587	France	Marcus	Ecole Nationale Superieure de Chimie de Paris
586	France	Margerie	Centre Technique des Industries de la Fonderie (CTIF)
584	France	Mazille	Institut National des Sciences Appliquees
580	France	Odorico	Centre Commun de Recherche Louis Bleriot
565	France	Philibert	Universite de Paris-Sud
576	France	Quantin	Centre d'Etudes et de Developpement (SOLLAC)
566	France	Rameau	Centre de Rech. en Electrochemie Minerale et Genie des Procedes
569	France	Reboul	Cegedur Pechiney
582	France	Roques-Carmes	Laboratoire de Microanalyse des Surfaces
570	France	Steinmetz	Universite de Nancy
572	France	Vu Quang	Centre National de la Recherche Scientifique (C.N.R.S.)
550	German Democratic Republic	Harzbecker	Zentralstelle fuer Korrosionsschutz (Corrosion Control Centre)
343	India		National Council for Cement and Building Materials
378	India	Balakrishnan	Central Electrochemical Research Institute
358	India	Balasubramanian	Vikram Sarabhai Space Centre
369	India	Banerjee	Regional Engineering College
368	India	Bedi	Council of Scientific and Industrial Research
360	India	Bhandari	Central Building Research Institute
355	India	Bhatia	DMR Laboratories
363	India	Bhatia	Balmer Lawrie & Co. Ltd.
354	India	Chennuri	Corrogard Chemicals
376	India	Dhami	M/S BLINEX
345	India	Dwarakadasa	Indian Institute of Science
375	India	Gadiyar	Bhabha Atomic Research Centre
362	India	Gnanamoorthy	Indira Gandhi Centre for Atomic Research
357	India	Guha	Central Mechanical Engineering Research Institute

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RECORD NO.	COUNTRY	RESEARCH DIRECTOR	INSTITUTION
379	India	Jayraman	Indian Institute of Petroleum
377	India	Kulkarni	Naval Dockyard
346	India	Langalia	Central Salt & Marine Chemicals Research Institute
348	India	Mahadeviah	Central Food Technology Research Institute
380	India	Marphatia	Goodlass Nerolac Paints Ltd.
374	India	Mayanna	Bangalore University
361	India	Mukhopadhyay	Bharat Heavy Electricals Ltd.
365	India	Narayan	Indian Institute of Technology
349	India	Pandey	Defence Materials & Stores R & D Establishment
373	India	Parthasarathy	Maruthi Institute of Technology
381	India	Parulekar	Useful Products
382	India	Pisolkar	Aska Enterprises
351	India	Purnaprajna	Alkyl Amines Chemicals Ltd.
367	India	Ramchandran	Karnataka Regional Engineering College
350	India	Rao	Indrol Lubricants & Specialities Ltd.
356	India	Ray	Enamelnagar Development Corp. Ltd.
359	India	Ray	Jenson & Nicholson (India) Ltd.
364	India	Sarkar	Berger Paints Ltd.
344	India	Sastry	Sardar Vallabhbhai Regional College of Engng. & Technology
371	India	Shah	Chembond Chemicals PVT Ltd.
352	India	Shirsalkar	Regional Research Laboratory
370	India	Srinivasan	P. S. G. College of Technology
366	India	Tare	Banaras Hindu University
372	India	Tirodkar	M/S Asian Paints (India) Ltd.
353	India	Varma	Research Designs and Standards Organization
347	India	Verma	Project and Development India Ltd.
269	Israel		A. D. A.
271	Israel	Cogan	Fertilizers and Chemicals Ltd.
270	Israel	Eliezer	Ben-Gurion University
275	Israel	Grassiani	Solmat Systems Ltd.
274	Israel	Rothschild	Paint Research Association
272	Israel	Schorr	IMI (TAMI)
276	Israel	Yahalom	Technion-Israel Institute of Technology
273	Israel	Zahavi	Technion-Israel Institute of Technology
398	Italy	Arpaia	
399	Italy	Bellucci	
395	Italy	Bonora	University of Trento
389	Italy	Bruno	C.S.M. s.p.a.
396	Italy	Cigna	University "La Sapienza"
394	Italy	De Asmundis	National Council for Research
385	Italy	Gesmundo	University of Genoa
392	Italy	Maja	Polytechnic of Turin
391	Italy	Mazza	University of Milan
384	Italy	Niccolin	National Council for Research
388	Italy	Pascali	C.I.S.E. s.p.a.
387	Italy	Pedeferri	Polytechnic of Milano
386	Italy	Pieroni	Istituto Donegani
397	Italy	Rocchini	ENEL - CRTN
390	Italy	Songa	Istituto Ricerche Breda
393	Italy	Trabanelli	University of Ferrara
383	Italy	Vicenti	National Council for Research

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RECORD NO.	COUNTRY	RESEARCH DIRECTOR	INSTITUTION
157	Japan	Boda	Ministry of Labour
107	Japan	Deguchi	Nissin Steel Co. Ltd.
151	Japan	Ejima	Tohoku University
191	Japan	Enami	Kawasaki Steel Corp.
171	Japan	Hara	Niigata Engineering Co. Ltd.
190	Japan	Hara	Kawasaki Steel Corp.
130	Japan	Hashimoto	Tohoku University
122	Japan	Hine	Nagoya Institute of Technology
105	Japan	Hirose	Nissin Steel Co. Ltd.
140	Japan	Homma	University of Tokyo
187	Japan	Ichida	Kawasaki Steel Corp.
124	Japan	Inouye	Chiba University
147	Japan	Ishikawa	Hokkaido University
113	Japan	Kaifu	Kobe Steel Ltd.
175	Japan	Kasahara	Tokyo Gas Co.
106	Japan	Katayama	Nissin Steel Co. Ltd.
199	Japan	Katoh	Science University of Tokyo
177	Japan	Kawada	Nippon Paint Co. Ltd.
165	Japan	Kawauchi	Nippon Mining Co. Ltd.
196	Japan	Kimura	Nippon Steel Corp.
138	Japan	Kobayashi	The Nippon Corrosion Engineering Co. Ltd.
132	Japan	Komai	Kyoto University
126	Japan	Kondo	Toyo Kohan Co. Ltd.
174	Japan	Kondo	Shimizu Construction Co. Ltd.
176	Japan	Kudo	Government Industrial Research Institute of Chugoku
198	Japan	Kumada	Mitsui Engineering and Shipbuilding Co.
129	Japan	Kurachi	Kyoto University
116	Japan	Kurosawa	Central Research Institute of Electric Power Industry
125	Japan	Masuko	University of Tokyo
155	Japan	Matsuda	Kawasaki Heavy Industries Ltd.
172	Japan	Matsumura	Hiroshima University
144	Japan	Matsushima	Nippon Kokan K.K.
170	Japan	Matsushima	Nihon Perkerizing Co. Ltd.
166	Japan	Mori	Ministry of Construction
142	Japan	Moroishi	Sumitomo Metal Industries
148	Japan	Morozumi	Hokkaido University
194	Japan	Murata	Nippon Steel Corp.
150	Japan	Naganuma	Fujikura Ltd.
159	Japan	Nagasaka	Ibaraki University
146	Japan	Nagayama	Hokkaido University
186	Japan	Nakai	Kawasaki Steel Corp.
145	Japan	Nakamoto	Osaka Gas Co. Ltd.
185	Japan	Nakauchi	National Chemical Laboratory for Industry
189	Japan	Narumoto	Kawasaki Steel Corp.
181	Japan	Nemoto	Nippon Yakin Kogyo Co. Ltd.
118	Japan	Nii	National Research Institute for Metals
131	Japan	Ogura	Yamaguchi University
108	Japan	Ohnishi	The Tokyo Electric Power Co. Ltd.
120	Japan	Ohnishi	The Japan Steel Works, Ltd.
127	Japan	Okada	Nuclear Materials Division of NRIM
193	Japan	Okano	Kawasaki Steel Corp.

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RECORD NO.	COUNTRY	RESEARCH DIRECTOR	INSTITUTION
164	Japan	Oki	Nagoya University
180	Japan	Okubo	Sumitomo Chemical Co. Ltd.
160	Japan	Okuda	Doshisha University
162	Japan	Onishi	Nisshin Kasei Co. Ltd.
136	Japan	Otsuka	Nagoya Institute of Technology
169	Japan	Saiga	Ishikawajima-harima Heavy Industries Co. Ltd.
141	Japan	Saito	Government Industrial Research Institute of Kyushu
168	Japan	Saitoh	Tohoku Electric Power Co. Inc.
110	Japan	Sato	Hokkaido University
115	Japan	Sato	Sumitomo Light Metal Co. Ltd.
156	Japan	Sato	Dai Nippon Toryo Co. Ltd.
149	Japan	Satoh	Kansai Paint Co. Ltd.
197	Japan	Sekine	Science University of Tokyo
137	Japan	Shibata	Osaka University
114	Japan	Shimogori	Kobe Steel Ltd.
183	Japan	Shinohara	Toyo Engineering Corp.
139	Japan	Shiobara	Industrial Research Institute of Kanagawa Prefecture
123	Japan	Sugawara	Muroran Institute of Technology
128	Japan	Sumita	First Laboratory of High Strength Materials Division of NRIM
135	Japan	Suzuki	Japan National Railway
188	Japan	Suzuki	Kawasaki Steel Corp.
200	Japan	Suzuki	Ajinomoto Inc.
158	Japan	Tachibana	University of Tokyo
133	Japan	Takahashi	Yokohama National University
152	Japan	Takemoto	Aoyama Gakuin University
109	Japan	Tamao	The Tokyo Electric Power Co. Ltd.
153	Japan	Tanabe	Sumitomo Light Metal Industries Ltd.
173	Japan	Tanaka	Japan Lead-Zinc Development Association
192	Japan	Tanda	Kawasaki Steel Corp.
161	Japan	Tezuka	Teikoku Oil Co. Ltd.
119	Japan	Togawa	Industrial Products Research Institute, M.I.T.I.
163	Japan	Tohma	Mitsubishi Aluminum Co. Ltd.
112	Japan	Toyose	Kobe Steel Ltd.
179	Japan	Toyose	Kobe Steel Ltd.
184	Japan	Tsurumaru	Toyo Seikan Kaisya Ltd.
154	Japan	Watanabe	Nippon Paint Co. Ltd.
121	Japan	Yamakawa	University of Osaka
111	Japan	Yamamoto	The Tokyo Electric Power Co. Ltd.
143	Japan	Yamamoto	Hitachi Zosen Corporation
167	Japan	Yamamoto	Tohoku Electric Power Co. Inc.
178	Japan	Yamamoto	Kurita Water Industries Ltd.
182	Japan	Yamamoto	Nippon Steel Corp.
134	Japan	Yamashita	Doshisha University
117	Japan	Yashiro	Nippon Kinzoku Co. Ltd.
104	Japan	Yoshii	Nissin Steel Co. Ltd.
195	Japan	Yoshino	Nakagawa Corrosion Protection Co. Ltd.
266	Korea	Dae-Hi	Korea Maritime University
263	Korea	Kwon	Korea Institute of Machinery and Materials
261	Korea	Lee	Choongnam National University
262	Korea	Park	Yonsei University
265	Korea	Pyun	Korea Advanced Institute of Science and Technology

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RECORD NO.	COUNTRY	RESEARCH DIRECTOR	INSTITUTION
264	Korea	Yoon	Hanyang University
267	Kuwait	Al-Kharafi	University of Kuwait
400	Lithuanian SSR	Kosto	Academy of Sciences of the Lithuanian SSR
99	Mexico	Avila-Mendoza	National University of Mexico
103	Mexico	Buisan	Tecnologia Galvanica, S.A. de C.V.
98	Mexico	Guerrero	Instituto Mexicano del Petroleo
268	Morocco	El Moujahid	National School of Mines (ENIM)
452	New Zealand	Boulton	Department of Scientific and Industrial Research
451	New Zealand	Driver	Chemical Cleaning Ltd.
450	New Zealand	Duncan	Building Research Association of New Zealand
445	New Zealand	Fahy	University of Canterbury
446	New Zealand	Levinsohn	Defence Scientific Establishment
447	New Zealand	Norris	DSIR
449	New Zealand	Sharp	University of Auckland
455	New Zealand	Smedley	Victoria University of Wellington
454	New Zealand	Whitehead	New Zealand Steel
453	New Zealand	Wilson	Department of Scientific and Industrial Research
448	New Zealand	Wright	University of Auckland
324	Norway	Bardal	SINTEF/NTH
336	Norway	Bryhn	Norwegian Geotechnical Institute
329	Norway	Eriksrud	Veritas Offshore Technology and Services A/S, VERITEC
330	Norway	Espelid	Veritas Offshore Technology and Services A/S
341	Norway	Evensen	Hydro Aluminium A/S
325	Norway	Gjoerv	The Norwegian Institute of Technology, NTH
322	Norway	Gran	Norwegian Building Research Institute
339	Norway	Halvorsen	Norsk Energi
340	Norway	Hansen	Norsk Hydro
331	Norway	Hasvold	Norwegian Defence Research Establishment
332	Norway	Henriksen	Norwegian Institute for Air Research
328	Norway	Holland	Scandinavian Institute of Dental Materials, NIOM
335	Norway	Isaksen	Norwegian Building Research Institute
323	Norway	Ivan	STI - National Institute of Technology
338	Norway	Johansen	Norwegian Marine Technology Research Institute A/S
319	Norway	Kofstad	University of Oslo
320	Norway	Korsoen	International Farvefabrik A/S
333	Norway	Kristiansen	Norwegian Institute for Water Research
342	Norway	Naess	Jotun Protective Coatings
337	Norway	Refsnaes	Norwegian Research Institute of Electricity Supply A/S
321	Norway	Rinvoll	State Power Board
326	Norway	Slotfeldt-Ellingsen	Senter for Industriforskning
334	Norway	Valand	Rogalandsforskning
327	Norway	Videm	Institute for Energy Technology
250	Poland	Domanski	Ship Design and Research Centre
251	Poland	Flis	Polish Academy of Sciences
256	Poland	Folek	Institute of Ferrous Metallurgy
248	Poland	Juchniewicz	Technical University of Gdansk
253	Poland	Kozlowski	Institute of Precision Mechanics
254	Poland	Kubicki	Technical University of Wroclaw
252	Poland	Marczak	Technical University of Radom
259	Poland	Mieluch	Industrial Chemistry Research Institute
255	Poland	Mrowec	Academy of Mining and Metallurgy

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RECORD NO.	COUNTRY	RESEARCH DIRECTOR	INSTITUTION
257	Poland	Przewlocka	Technical University of Czestochowa
258	Poland	Smieszek	Instytut Przemyslu Tworkzyw I Farb
249	Poland	Stankiewicz	Maritime Institute
260	Poland	Szummer	Warsaw University of Technology
467	Portugal	Almeida	LNETI - Servico de Corrosao e Proteccao de Materiais
463	Portugal	Barbosa	
465	Portugal	Ferreira	Instituto Superior Tecnico
468	Portugal	Lobo	Departamento de Egenharia Quimica da Universidade de Coimbra
466	Portugal	Oliveira Santos	Instituto de Soldadura e Qualidade
464	Portugal	do Rosario Cravo	Laboratorio Nacional de Engenharia Civil
523	Romania	Radovici	Polytechnic Institute of Bucharest
524	South Africa		Council for Scientific and Industrial Research
525	South Africa		MINTEK (Council for Mineral Technology)
526	South Africa		University of Cape Town
527	South Africa		Chamber of Mines Laboratories
456	South Africa	Robinson	University of the Witwatersrand
530	Spain	Andrade	Instituto "Eduardo Torroja" de la Construction y del Cemento
545	Spain	Briceno	Centro de Investigaciones Energeticas, Medioambientales y Tecn.
529	Spain	Calafat	E.T.S.I. de Caminos, U. Politecnica
535	Spain	Carrera Jaraiz	Instituto Nacional de Tecnica Aerospacial (INTA)
548	Spain	Costa	University of Barcelona
528	Spain	Feliu	Centro Nacional de Investigaciones Metalurgicas (CENIM)
543	Spain	Gazapo	INESPAL (CINDAL)
538	Spain	Gutierrez	INASMET
534	Spain	Gutierrez-Solana	Universidad de Cantabria
536	Spain	Herrera	Universidad de Sevilla
531	Spain	Hidalgo	Universidad Pontificia Comillas
532	Spain	Huerta	Universidad Complutense
537	Spain	Julve	Universidad Autonoma de Barcelona
540	Spain	Molera Sola	c/Marti i Franaves s/n
533	Spain	Moragrega	Instituto de Agroquimica y Tecnologia de Alimentos CSIC(Valencia)
539	Spain	Otero	Basque Country University
542	Spain	Porro	LABEIN
547	Spain	Ranninger	Universidad Politecnica de Madrid, E.T.S. de Ingenieros Industr.
546	Spain	Recarey	Escuela Superior Ingenieros Industriales
544	Spain	Ventura	Universidad Politecnica de Valencia
541	Spain	Victori	Instituto Quimico Sarria
521	Sweden	Ahlberg	Chalmers University of Technology & University of Gothenburg
514	Sweden	Berendson	Royal Institute of Technology
522	Sweden	Byfors	Swedish Cement and Concrete Research Institute (CBI)
519	Sweden	Carlsson	Swedish National Testing Institute
512	Sweden	Hultquist	Royal Institute of Technology
517	Sweden	Hutchinson	Swedish Institute for Metals Research
520	Sweden	Kucera	Swedish Corrosion Institute
513	Sweden	Lekbeck	FFV - Material Technology
516	Sweden	Olefjord	Chalmers University of Technology (CTH)
518	Sweden	Rosberg	Studsvik Energiteknik AB
515	Sweden	Wallin	Royal Institute of Technology
278	Taiwan		Chung Lhan Institute of Science and Technology
277	Taiwan	Chen	Industrial Technology Research Institute
279	Taiwan	Chen	Berlin Co. Ltd.

CORROSION SURVEY INDEXED BY COUNTRY AND RESEARCH DIRECTOR

RECORD NO.	COUNTRY	RESEARCH DIRECTOR	INSTITUTION
282	Taiwan	Tsai	National Tsing Hua University
281	Taiwan	Tu	National Chiao Tung University
280	Taiwan	Wu	China Steel Corp.
551	The Netherlands	Gellings	University of Twente
554	The Netherlands	IJsserling	Royal Netherlands Navy
552	The Netherlands	Tausk	Koninklijke/Shell-Laboratorium
553	The Netherlands	Wanhill	National Aerospace Laboratory NLR
555	The Netherlands	de Wit	Delft University of Technology
217	U.K.	Armstrong	University of Newcastle upon Tyne
235	U.K.	Bennett	Harwell Laboratory
213	U.K.	Booker	City of London Polytechnic, Sir John Cass School of Sci. & Techn.
226	U.K.	Brown	University of Ulster
204	U.K.	Burstein	University of Cambridge
224	U.K.	Castle	University of Surrey
237	U.K.	Charlton	ICI Chemicals and Polymer Group
234	U.K.	Christie	General Electric Co.
207	U.K.	Collins	University of Lancaster
238	U.K.	Cuck	ICI Chemicalsand Polymers Group
227	U.K.	Davies	University of Wales, University College of Swansea
246	U.K.	Dell	United Kingdom Atomic Energy Authority
233	U.K.	Everett	Department of the Environment
223	U.K.	Fleischmann	University of Southampton
242	U.K.	Francis	National Physical Laboratory
210	U.K.	Gleaves	Liverpool Polytechnic
231	U.K.	Harrop	British Petroleum (BP)
222	U.K.	Jackson	Sheffield City Polytechnic
241	U.K.	Kenny	National Coal Board
208	U.K.	Kirk	Coventry (Lanchester) Polytechnic
215	U.K.	Lees	University of Manchester
220	U.K.	Llewelyn Leach	University of Nottingham
229	U.K.	Lloyd	British Coal
205	U.K.	Lush	City University
202	U.K.	McEnaney	University of Bath
212	U.K.	Menzies	Loughborough College of Technology
225	U.K.	Mills	Trent Polytechnic
236	U.K.	Moreland	ICI Chemicals and Polymers Group
201	U.K.	Page	Aston University
219	U.K.	Parkins	University of Newcastle upon Tyne
239	U.K.	Richardson	ICI PLC
203	U.K.	Riley	Brighton Polytechnic
206	U.K.	Robinson	Cranfield Institute of Technology
228	U.K.	Scamans	Alcan International Ltd.
209	U.K.	Scully	University of Leeds
243	U.K.	Sherwood	Paint Research Association
244	U.K.	Shone	Shell Thornton Research Centre
232	U.K.	Simpson	Central Electricity Generating Board
230	U.K.	Stevens	British Gas PLC
218	U.K.	Strafford	Newcastle upon Tyne Polytechnic
211	U.K.	Swindells	University of Liverpool
221	U.K.	Sykes	University of Oxford
214	U.K.	West	Imperial College of Science and Technology

CORROSION SURVEY INDEXED BY COUNTRY AND RESEARCH DIRECTOR

RECORD NO.	COUNTRY	RESEARCH DIRECTOR	INSTITUTION
247	U.K.	Wilson	United Kingdom Atomic Energy Authority
240	U.K.	Wolstenholme	North East Wales Institute of Higher Education
216	U.K.	Wood	University of Manchester , Institute of Science & Technology
245	U.K.	Woodward	Department of Transport
17	U.S.A.		University of Texas at El Paso
67	U.S.A.	Alkire	University of Illinois
49	U.S.A.	Antler	AT&T Bell Laboratories
36	U.S.A.	Baboian	Texas Instruments Incorporated
63	U.S.A.	Ballinger	Massachusetts Institute of Technology
26	U.S.A.	Baloun	Ohio University
50	U.S.A.	Blee	AT&T Bell Laboratories
91	U.S.A.	Brown	University of Rhode Island
89	U.S.A.	Buchanan	University of Tennessee
79	U.S.A.	Chin	Clarkson University
21	U.S.A.	Clayton	State University of New York at Stony Brook
69	U.S.A.	Corbett	Corrosion Testing Laboratories, Inc.
45	U.S.A.	Crooker	Naval Research Laboratory
44	U.S.A.	Daniels	University of Oklahoma
95	U.S.A.	Danyluk	University of Illinois at Chicago
54	U.S.A.	De Luccia	Department of the Navy
47	U.S.A.	Devereux	University of Connecticut
70	U.S.A.	Devine	University of California
38	U.S.A.	Dexter	University of Delaware
30	U.S.A.	Diegle	Sandia National Laboratories
73	U.S.A.	Divine	Battelle Pacific Northwest Laboratories
31	U.S.A.	Douglass	University of California
102	U.S.A.	Duquette	Rensselaer Polytechnic Institute
13	U.S.A.	Eliezer	University of Texas at Austin
34	U.S.A.	Erbar	Oklahoma State University
48	U.S.A.	Frankenthal	AT&T Bell Laboratories
18	U.S.A.	French	Petrolite Corporation
87	U.S.A.	Garber	University of Southwestern Louisiana
55	U.S.A.	Good	State University of New York at Buffalo
9	U.S.A.	Griffin	Texas A&M University
35	U.S.A.	Hartt	Florida Atlantic University
78	U.S.A.	Heidersbach	California Polytechnic State University
19	U.S.A.	Heldt	Michigan Technological University
27	U.S.A.	Hochman	Georgia Institute of Technology
85	U.S.A.	Hover	Cornell University
12	U.S.A.	Isaacs	Brookhaven National Laboratory
14	U.S.A.	Johnson	University of Texas at Arlington
60	U.S.A.	Johnson	University of Nebraska-Lincoln
59	U.S.A.	Jones	University of Nevada-Reno
42	U.S.A.	Kass	General Electric Company
56	U.S.A.	Kirk	LaQue Center for Corrosion Technology, Inc.
46	U.S.A.	Klein	Haynes International, Incorporated
90	U.S.A.	Koch	Battelle Memorial Institute
40	U.S.A.	Kruger	The Johns Hopkins University
32	U.S.A.	Latanision	Massachusetts Institute of Technology
52	U.S.A.	Leidheiser, Jr.	Lehigh University
25	U.S.A.	Lichter	Vanderbilt University

RECORD NO.	COUNTRY	RESEARCH DIRECTOR	INSTITUTION
74	U.S.A.	Liebert	University of Hawaii at Manoa
58	U.S.A.	Lisagor	National Aeronautics and Space Administration
86	U.S.A.	Locke	University of Kansas
71	U.S.A.	Lumsden	Rockwell International Science Center
88	U.S.A.	Mansfeld	University of Southern California
39	U.S.A.	Matijevic	Clarkson University
93	U.S.A.	McCright	Lawrence Livermore National Laboratory
100	U.S.A.	McKubre	SRI International
23	U.S.A.	Miller	University of Notre Dame
29	U.S.A.	Moran	The Johns Hopkins University
68	U.S.A.	Morton	Department of the Navy
8	U.S.A.	Ondrejcin	E. I. Du Pont de Nemours & Co., Inc.
65	U.S.A.	Oriani	University of Minnesota
61	U.S.A.	Pettit	University of Pittsburgh
601	U.S.A.	Pickering	Penn State University
66	U.S.A.	Pitt	University of Utah
43	U.S.A.	Puyear	Monsanto Chemical Company
15	U.S.A.	Raghavan	University of Arizona
94	U.S.A.	Raman	Louisiana State University
72	U.S.A.	Ruff	National Bureau of Standards
76	U.S.A.	Sagues	University of South Florida
83	U.S.A.	Sharpe	Westvaco Corporation
80	U.S.A.	Sinclair	AT&T Bell Laboratories
7	U.S.A.	Sisson, Jr.	Worcester Polytechnic Institute
16	U.S.A.	Stearns	Lewis Research Center, NASA
602	U.S.A.	Stimming	Columbia University
11	U.S.A.	Stoner	University of Virginia
77	U.S.A.	Summitt	Michigan State University
41	U.S.A.	Townsend	Bethlehem Steel Corporation
53	U.S.A.	Tyler	Olin Corporation
5	U.S.A.	Van Zee	University of South Carolina
92	U.S.A.	Verink, Jr.	University of Florida
28	U.S.A.	Verma	IIT Research Institute
10	U.S.A.	Wagner, Jr.	Arizona State University
96	U.S.A.	Was	University of Michigan
20	U.S.A.	Weil	Stevens Institute of Technology
37	U.S.A.	Wilde	Ohio State University
62	U.S.A.	Wolf	Clemson University
6	U.S.A.	Yarar	Colorado School of Mines
84	U.S.A.	Yeske	The Institute of Paper Chemistry
423	USSR	Achmetov	The Kazakh Red Banner State University named after S. M. Kirov
413	USSR	Agladze	Georgian Polytechnical Institute
409	USSR	Anoshchenko	Polytechnical Institute
421	USSR	Batrakov	M.G.P.J. im. V. J. Lenina
401	USSR	Berezina	Academy of Sciences of the USSR
404	USSR	Druchenko	Kharkov Chemical and Mechanical Technical School
406	USSR	Fyodorov	Dneprodzerzhinsk Industrial Institute
419	USSR	Golyanitski	Chelyabinsk Inst. of Mechanization & Agricultural Electrification
412	USSR	Kadaner	Kharkov State Pedagogical Institute
416	USSR	Khaldeyev	Perm University
405	USSR	Kolotyrkin	Karpov Institute of Physical Chemistry

CORROSION SURVEY INDEXED BY COUNTRY AND RESEARCH DIRECTOR

RECORD NO.	COUNTRY	RESEARCH DIRECTOR	INSTITUTION
418	USSR	Kramarenko	State Institute of Nitrogen Industry
407	USSR	Kudryavtsev	D. I. Mendeleev Institute of Chemical Technology
415	USSR	Kuzub	Gosniimethanolproekt
417	USSR	Levin	Academy of Municipal Economy
410	USSR	Loshkaryov	Dniepropetrovsk State University
411	USSR	Ovchinnikova	Kirov Polytechnic Institute
422	USSR	Ozeryanaya	Academy of Sciences USSR
403	USSR	Ryabchenkov	CNIITMASH
420	USSR	Tavadze	Academy of Sciences GSSR
414	USSR	Vazhenin	Dniepropetrovsk Chemical Technology Institute
408	USSR	Vigdorovich	Tambov State Pedagogical Institute
593	Yugoslavia	Cikovic	University of Zagreb
594	Yugoslavia	Dukic	Gradevinski Institut (Civil Engineering Institute)
595	Yugoslavia	Esih	University of Zagreb
596	Yugoslavia	Kostic	Chemical Industry Pancevo (HIP)
597	Yugoslavia	Mladenovic	Faculty of Technology and Metallurgy
598	Yugoslavia	Sarc-Lahodny	University of Zagreb
599	Yugoslavia	Sarc-Lahodny	Institute of the Corrosion and Protection of Metals
600	Yugoslavia	Stern	University of Zagreb

CORROSION SURVEY INDEXED BY COUNTRY AND INSTITUTION

RECORD NO.	COUNTRY	INSTITUTION	RESEARCH DIRECTOR
481	Argentina	Argentine Government (Y. P. F.)	Barreto
479	Argentina	CIDEPINT	Rascio
486	Argentina	Comision Nacional de Energia Atomica	Galvele
487	Argentina	Gas del Estado	Marios
480	Argentina	INIFTA	Vilche
488	Argentina	INIFTA	Podesta
478	Argentina	INIFTA (UNLP)	Videll
484	Argentina	Inst. de Investigaciones en Ciencia y Tecnologia de Materiales	de Sanchez
482	Argentina	Instituto Nacional de Tecnologia Industrial (INTI)	Moina
483	Argentina	Scientific and Technical Research Institute of the Armed Forces	Rosales
485	Argentina	University of the South	Bessone
504	Australia		Melbourne
501	Australia	AMDEL Ltd.	Parry
491	Australia	Australian Welding Research Association	Vetters
502	Australia	Comalco Research Centre	May
510	Australia	Commonwealth Scientific and Industrial Research Organization	Martin
511	Australia	Defence Science and Technology Organization	Hinton
500	Australia	Government Chemical Laboratories	Ingraham
506	Australia	Hunter District Water Board	Nicholas
508	Australia	Intico Pty. Ltd.	Boegel
495	Australia	MATPROLABS	North
509	Australia	Melbourne and Metropolitan Board of Works	Beissel
489	Australia	Monash University	Cherry
499	Australia	Queensland Institute of Technology	Schweinsburg
494	Australia	South Australian Institute of Technology	Slattery
497	Australia	State Electricity Commision of Victoria	Coldham
490	Australia	Steel Mains Pty. Ltd.	Fletcher
507	Australia	Taubmans Industries Ltd.	Biddle
496	Australia	Taywood Engineering Ltd.	Papworth
492	Australia	University of New South Wales	Harris
493	Australia	University of New South Wales	Young
503	Australia	University of Queensland	Atrens
498	Australia	University of Sydney	Roper
505	Australia	Western Australian Museum	MacLeod
442	Austria	Austria Draht GesmbH	Hampejs
438	Austria	Austrian Research Centre Seibersdorf	Schreinlechnev
439	Austria	Institute for Testing and Research in Materials Technology (TVFA)	Zwilling
444	Austria	Montanuniversitaet Leoben	Zitter
440	Austria	Technical University of Graz	Hilbert
443	Austria	Vereinigte Edelstahlwerke (VEW)	Hochoertler
441	Austria	Voest-Alpine AG	Haselmair
402	Azerbaijan SSR	Azerbaijan Academy of Sciences	Bairamov
435	Belgium	Belgian Center for Corrosion Study - CEBELCOR	Pourbaix
431	Belgium	Katholieke Universiteit Leuven	Bogaerts
436	Belgium	Katholieke Universiteit Leuven	
437	Belgium	Katholieke Universiteit Leuven	
434	Belgium	Rijksuniversiteit Gent	Van Peteghem
432	Belgium	Studiecentrum voor Kernenergie/Centre d'Etudes Nucleaires	Tas
433	Belgium	Vrije Universiteit Brussel	Vereecken
618	Brazil	Associacao Brasileira de Corrosao - ABRACO	Uller
606	Brazil	Centro Pesquisas e Desenvolvimento da Bahia - CEPED	Ataide

CORROSION SURVEY INDEXED BY COUNTRY AND INSTITUTION

RECORD NO.	COUNTRY	INSTITUTION	RESEARCH DIRECTOR
611	Brazil	Centro de Pesquisas Leopoldo Americo M. de Mello-PETROBRAS/CENPES	de Oliveira Viana
617	Brazil	Centro de Pesquisas da AQUATEC	Marques
615	Brazil	Centro de Pesquisas da COSIPA	Marcondes
613	Brazil	Centro de Pesquisas da Cia. Siderurgica Nacional	Rosa
616	Brazil	Centro de Pesquisas da ECOLAB	Gentil
614	Brazil	Centro de Pesquisas da Usiminas	de Queiroz Pinto
612	Brazil	Centro de Pesquisas de Energia Eletrica - CEPEL/ELETROBRAS	Mannheimer
605	Brazil	Fundacao de Ciencia e Tecnologia - CIENTEC	Recena
619	Brazil	Instituto Nacional de Tecnologia	Coelho
603	Brazil	Instituto Nacional de Tecnologia - INT	Uller
610	Brazil	Instituto Tecnologico de Aeronautica - ITA	Cecchini
604	Brazil	Instituto de Pesquisas Tecnologicas de Sao Paolo - IPT	Chaves
608	Brazil	Universidade Federal Do Rio Grande Do Sul	Muller
609	Brazil	Universidade Federal de Sao Carlos	D'Alkaine
607	Brazil	Universidade Federal do Rio de Janiero - COPPE/UFRJ	Adamian
82	Canada	Alcan International Ltd.	Goad
64	Canada	Atomic Energy of Canada Limited	Cox
101	Canada	Chalk River Nuclear Laboratories	Taylor
51	Canada	Energy, Mines and Resources Canada	Revie
75	Canada	Institut de recherche d'Hydro-Quebec (IREQ)	Brossard
24	Canada	McMaster University	Ives
81	Canada	National Research Council of Canada	Graham
57	Canada	Ontario Hydro Research Division	Lichtenberger
33	Canada	Pulp and Paper Research Institute	Garner
4	Canada	Queen's University	Hope
2	Canada	University of Alberta	Bradford
22	Canada	University of British Columbia	Tromans
1	Canada	University of Manitoba	Cahoon
3	Canada	University of Western Ontario	Sheasby
97	Canada	University of Windsor	Watt
549	Canary Islands (Spain)	Universidad de La Laguna	Gonzalez Gonzalez
283	China	Academia Sinica	Shih
284	China	Academia Sinica	Ke
300	China	Academia Sinica	Wu
301	China	Academia Sinica	Ma
302	China	Academia Sinica	Xu
312	China	Academia Sinica	Shih
316	China	Academia Sinica	Shih
318	China	Baoji Non-Ferrous Metal Institute	Li
294	China	Beijing Institute of Aeronautical Materials	Xiao
292	China	Beijing Institute of Aeronautics and Astronautics	Zhu
305	China	Beijing Institute of Chemical Technology	Zuo
304	China	Beijing University of Iron and Steel Technology	Hsaio
296	China	Chinese Academy of Railway Sciences	Xi
310	China	Chongqing University	Huang
288	China	Dalian Institute of Technology	Huo
306	China	Huazhong University of Science and Technology	Ye
290	China	Hunan University	Kuang
285	China	Luoyang Institute of Ship Building Materials Research	Chen
313	China	Ministry of Machine Building	Huang

CORROSION SURVEY INDEXED BY COUNTRY AND INSTITUTION

RECORD NO.	COUNTRY	INSTITUTION	RESEARCH DIRECTOR
311	China	Ministry of Metallurgical Industry	Xu
289	China	Nanjing Institute of Chemical Technology	Yang
307	China	National Bureau of Oceanography	Lin
297	China	Qingdao Laboratory for Marine Corrosion	Zhu
293	China	Shandong Polytechnic University	Yang
298	China	Shanghai Iron and Steel Research Institute	Feng
303	China	Shanghai Research Institute of Materials	Yang
308	China	Tianjin University	Song
309	China	Tianjin University	Shi
286	China	Wuhan Iron and Steel Co.	Chai
315	China	Wuhan Iron and Steel Co.	Cai
299	China	Wuhan Research Institute of Materials Protection	Fang
295	China	Wuhan University	Yao
291	China	Xiamen University	Tian
287	China	Zhejiang Institute of Technology	Zhang
314	China	Zhejiang Institute of Technology	Xu
317	China	Zhejiang Institute of Technology	Zhang
427	Czechoslovakia	Czech Technical University	Prochazka
426	Czechoslovakia	Institute of Chemical Technology	Vosta
428	Czechoslovakia	Institute of Chemical Technology	Jarusek
425	Czechoslovakia	Institute of Chemical Technology and Corrosion Engineering	Kubicek
430	Czechoslovakia	Metallurgical Institute	Mazanec
424	Czechoslovakia	State Research Institute for Material Protection	Svoboda
429	Czechoslovakia	Technical University	Kocich
457	Egypt	Cairo University	El-Raghy
458	Egypt	Central Metallurgical R & D Institute	Azim
459	Egypt	National Research Center	Shams el Din
460	Egypt	University of Ain Shams	Thabet
462	Egypt	University of Alexandria	Sadek
461	Egypt	University of Cairo	Ammar
477	Federal Republic Of Germany	Technische Universitaet Clausthal	Heusler
471	Federal Republic of Germany	Die Max-Planck-Gesellschaft	Doblhofer
470	Federal Republic of Germany	Laboratory for Corrosion Protection	Schmitt
472	Federal Republic of Germany	Max-Planck-Institut for Metals Research	Kirchheim
469	Federal Republic of Germany	Max-Planck-Institut fuer Eisenforschun GmbH	Grabke
475	Federal Republic of Germany	Universitaet -GH-	Beck
476	Federal Republic of Germany	Universitaet Duesseldorf	Schultze
473	Federal Republic of Germany	University of Erlangen-Nuernberg	Kaesche
474	Federal Republic of Germany	University of Karlsruhe	Lorenz
561	Finland	Abo Akademi	Hupa
556	Finland	Helsinki University of Technology	Ylasaari
558	Finland	Savcor - Consulting OY	Pulliainen

CORROSION SURVEY INDEXED BY COUNTRY AND INSTITUTION

RECORD NO.	COUNTRY	INSTITUTION	RESEARCH DIRECTOR
557	Finland	Tampere University of Technology	Kettunen
559	Finland	Technical Research Centre of Finland (VTT)	Hakkarainen
560	Finland	Technical Research Centre of Finland (VTT)	Hanninen
562	Finland	University of Oulu	Karjalainen
569	France	Cegedur Pechiney	Reboul
580	France	Centre Commun de Recherche Louis Bleriot	Odorico
572	France	Centre National de la Recherche Scientifique (C.N.R.S.)	Vu Quang
586	France	Centre Technique des Industries de la Fonderie (CTIF)	Margerie
576	France	Centre d'Etudes et de Developpement (SOLLAC)	Quantin
566	France	Centre de Rech. en Electrochemie Minerale et Genie des Procedes	Rameau
563	France	DCAN - CETEC/MCP	Le Guyader
579	France	E. N. S. des Techniques Industrielles et des Mines de Douai	Hoch
578	France	Ecole Centrale de Lyon (ECL)	Guiraldenq
589	France	Ecole Centrale des Arts et Manufactures	Galland
587	France	Ecole Nationale Superieure de Chimie de Paris	Marcus
590	France	Ecole Nationale Superieure de Chimie de Toulouse	Dabosi
573	France	Ecole des Mines	Lecoze
592	France	Etablissement Technique Central de l'Armement (C.R.E.A.)	Celati
564	France	Faculte des Sciences Mirande	Colson
577	France	Groupe des Laboratoires	Berge
581	France	IRSID	Charbonnier
575	France	Institut National de la Recherche Agronomique	Daufin
584	France	Institut National des Sciences Appliquees	Mazille
588	France	Institut National des Sciences Appliquees	Debuigne
571	France	Institut des Sciences de l'Ingenieur (CUST) Univ. Blaise-Pascal	Lemaire
574	France	Laboratoire de Mecanique Physique	Desjardins
582	France	Laboratoire de Microanalyse des Surfaces	Roques-Carmes
585	France	Rhone Poulenc Industrialisation	Kneib
591	France	Rhone Poulenc Sante	Bouhiron
583	France	Universite Pierre et Marie Curie (associe a)	Froment
570	France	Universite de Nancy	Steinmetz
565	France	Universite de Paris-Sud	Philibert
568	France	Universite de Provence	Crousier
567	France	University of Technology of Compiegne (UTC)	Beranger
550	German Democratic Republic	Zentralstelle fuer Korrosionsschutz (Corrosion Control Centre)	Harzbecker
351	India	Alkyl Amines Chemicals Ltd.	Purnaprajna
382	India	Aska Enterprises	Pisolkar
363	India	Balmer Lawrie & Co. Ltd.	Bhatia
366	India	Banaras Hindu University	Tare
374	India	Bangalore University	Mayanna
364	India	Berger Paints Ltd.	Sarkar
375	India	Bhabha Atomic Research Centre	Gadiyar
361	India	Bharat Heavy Electricals Ltd.	Mukhopadhyay
360	India	Central Building Research Institute	Bhandari
378	India	Central Electrochemical Research Institute	Balakrishnan
348	India	Central Food Technology Research Institute	Mahadeviah
357	India	Central Mechanical Engineering Research Institute	Guha
346	India	Central Salt & Marine Chemicals Research Institute	Langalia
371	India	Chembond Chemicals PVT Ltd.	Shah

CORROSION SURVEY INDEXED BY COUNTRY AND INSTITUTION

RECORD NO.	COUNTRY	INSTITUTION	RESEARCH DIRECTOR
354	India	Corrogard Chemicals	Chennuri
368	India	Council of Scientific and Industrial Research	Bedi
355	India	DMR Laboratories	Bhatia
349	India	Defence Materials & Stores R & D Establishment	Pandey
356	India	Enamelnagar Development Corp. Ltd.	Ray
380	India	Goodlass Nerolac Paints Ltd.	Marphatia
379	India	Indian Institute of Petroleum	Jayraman
345	India	Indian Institute of Science	Dwarakadasa
365	India	Indian Institute of Technology	Narayan
362	India	Indira Gandhi Centre for Atomic Research	Gnanamoorthy
350	India	Indrol Lubricants & Specialities Ltd.	Rao
359	India	Jenson & Nicholson (India) Ltd.	Ray
367	India	Karnataka Regional Engineering College	Ramchandran
372	India	M/S Asian Paints (India) Ltd.	Tirodkar
376	India	M/S BLINEX	Dhami
373	India	Maruthi Institute of Technology	Parthasarathy
343	India	National Council for Cement and Building Materials	
377	India	Naval Dockyard	Kulkarni
370	India	P. S. G. College of Technology	Srinivasan
347	India	Project and Development India Ltd.	Verma
369	India	Regional Engineering College	Banerjee
352	India	Regional Research Laboratory	Shirsalkar
353	India	Research Designs and Standards Organization	Varma
344	India	Sardar Vallabhbhai Regional College of Engng. & Technology	Sastry
381	India	Useful Products	Parulekar
358	India	Vikram Sarabhai Space Centre	Balasubramanian
269	Israel	A. D. A.	
270	Israel	Ben-Gurion University	Eliezer
271	Israel	Fertilizers and Chemicals Ltd.	Cogan
272	Israel	IMI (TAMI)	Schorr
274	Israel	Paint Research Association	Rothschild
275	Israel	Solmat Systems Ltd.	Grassiani
273	Israel	Technion-Israel Institute of Technology	Zahavi
276	Israel	Technion-Israel Institute of Technology	Yahalom
398	Italy		Arpaia
399	Italy		Bellucci
388	Italy	C.I.S.E. s.p.a.	Pascali
389	Italy	C.S.M. s.p.a.	Bruno
397	Italy	ENEL - CRTN	Rocchini
386	Italy	Istituto Donegani	Pieroni
390	Italy	Istituto Ricerche Breda	Songa
383	Italy	National Council for Research	Vicenti
384	Italy	National Council for Research	Niccolin
394	Italy	National Council for Research	De Asmundis
387	Italy	Polytechnic of Milano	Pedeferri
392	Italy	Polytechnic of Turin	Maja
396	Italy	University "La Sapienza"	Cigna
393	Italy	University of Ferrara	Trabanelli
385	Italy	University of Genoa	Gesmundo
391	Italy	University of Milan	Mazza
395	Italy	University of Trento	Bonora

CORROSION SURVEY INDEXED BY COUNTRY AND INSTITUTION

RECORD NO.	COUNTRY	INSTITUTION	RESEARCH DIRECTOR
200	Japan	Ajinomoto Inc.	Suzuki
152	Japan	Aoyama Gakuin University	Takemoto
116	Japan	Central Research Institute of Electric Power Industry	Kurosawa
124	Japan	Chiba University	Inouye
156	Japan	Dai Nippon Toryo Co. Ltd.	Sato
134	Japan	Doshisha University	Yamashita
160	Japan	Doshisha University	Okuda
128	Japan	First Laboratory of High Strength Materials Division of NRIM	Sumita
150	Japan	Fujikura Ltd.	Naganuma
176	Japan	Government Industrial Research Institute of Chugoku	Kudo
141	Japan	Government Industrial Research Institute of Kyushu	Saito
172	Japan	Hiroshima University	Matsumura
143	Japan	Hitachi Zosen Corporation	Yamamoto
110	Japan	Hokkaido University	Sato
146	Japan	Hokkaido University	Nagayama
147	Japan	Hokkaido University	Ishikawa
148	Japan	Hokkaido University	Morozumi
159	Japan	Ibaraki University	Nagasaka
119	Japan	Industrial Products Research Institute, M.I.T.I.	Togawa
139	Japan	Industrial Research Institute of Kanagawa Prefecture	Shiobara
169	Japan	Ishikawajima-harima Heavy Industries Co. Ltd.	Saiga
173	Japan	Japan Lead-Zinc Development Association	Tanaka
135	Japan	Japan National Railway	Suzuki
149	Japan	Kansai Paint Co. Ltd.	Satoh
155	Japan	Kawasaki Heavy Industries Ltd.	Matsuda
186	Japan	Kawasaki Steel Corp.	Nakai
187	Japan	Kawasaki Steel Corp.	Ichida
188	Japan	Kawasaki Steel Corp.	Suzuki
189	Japan	Kawasaki Steel Corp.	Narumoto
190	Japan	Kawasaki Steel Corp.	Hara
191	Japan	Kawasaki Steel Corp.	Enami
192	Japan	Kawasaki Steel Corp.	Tanda
193	Japan	Kawasaki Steel Corp.	Okano
112	Japan	Kobe Steel Ltd.	Toyose
113	Japan	Kobe Steel Ltd.	Kaifu
114	Japan	Kobe Steel Ltd.	Shimogori
179	Japan	Kobe Steel Ltd.	Toyose
178	Japan	Kurita Water Industries Ltd.	Yamamoto
129	Japan	Kyoto University	Kurachi
132	Japan	Kyoto University	Komai
166	Japan	Ministry of Construction	Mori
157	Japan	Ministry of Labour	Boda
163	Japan	Mitsubishi Aluminum Co. Ltd.	Tohma
198	Japan	Mitsui Engineering and Shipbuilding Co.	Kumada
123	Japan	Muroran Institute of Technology	Sugawara
122	Japan	Nagoya Institute of Technology	Hine
136	Japan	Nagoya Institute of Technology	Otsuka
164	Japan	Nagoya University	Oki
195	Japan	Nakagawa Corrosion Protection Co. Ltd.	Yoshino
185	Japan	National Chemical Laboratory for Industry	Nakauchi
118	Japan	National Research Institute for Metals	Nii

CORROSION SURVEY INDEXED BY COUNTRY AND INSTITUTION

RECORD NO.	COUNTRY	INSTITUTION	RESEARCH DIRECTOR
170	Japan	Nihon Perkerizing Co. Ltd.	Matsushima
171	Japan	Niigata Engineering Co. Ltd.	Hara
117	Japan	Nippon Kinzoku Co. Ltd.	Yashiro
144	Japan	Nippon Kokan K.K.	Matsushima
165	Japan	Nippon Mining Co. Ltd.	Kawauchi
154	Japan	Nippon Paint Co. Ltd.	Watanabe
177	Japan	Nippon Paint Co. Ltd.	Kawada
182	Japan	Nippon Steel Corp.	Yamamoto
194	Japan	Nippon Steel Corp.	Murata
196	Japan	Nippon Steel Corp.	Kimura
181	Japan	Nippon Yakin Kogyo Co. Ltd.	Nemoto
162	Japan	Nisshin Kasei Co. Ltd.	Onishi
104	Japan	Nissin Steel Co. Ltd.	Yoshii
105	Japan	Nissin Steel Co. Ltd.	Hirose
106	Japan	Nissin Steel Co. Ltd.	Katayama
107	Japan	Nissin Steel Co. Ltd.	Deguchi
127	Japan	Nuclear Materials Division of NRIM	Okada
145	Japan	Osaka Gas Co. Ltd.	Nakamoto
137	Japan	Osaka University	Shibata
197	Japan	Science University of Tokyo	Sekine
199	Japan	Science University of Tokyo	Katoh
174	Japan	Shimizu Construction Co. Ltd.	Kondo
180	Japan	Sumitomo Chemical Co. Ltd.	Okubo
115	Japan	Sumitomo Light Metal Co. Ltd.	Sato
153	Japan	Sumitomo Light Metal Industries Ltd.	Tanabe
142	Japan	Sumitomo Metal Industries	Moroishi
161	Japan	Teikoku Oil Co. Ltd.	Tezuka
120	Japan	The Japan Steel Works, Ltd.	Ohnishi
138	Japan	The Nippon Corrosion Engineering Co. Ltd.	Kobayashi
108	Japan	The Tokyo Electric Power Co. Ltd.	Ohnishi
109	Japan	The Tokyo Electric Power Co. Ltd.	Tamao
111	Japan	The Tokyo Electric Power Co. Ltd.	Yamamoto
167	Japan	Tohoku Electric Power Co. Inc.	Yamamoto
168	Japan	Tohoku Electric Power Co. Inc.	Saitoh
130	Japan	Tohoku University	Hashimoto
151	Japan	Tohoku University	Ejima
175	Japan	Tokyo Gas Co.	Kasahara
183	Japan	Toyo Engineering Corp.	Shinohara
126	Japan	Toyo Kohan Co. Ltd.	Kondo
184	Japan	Toyo Seikan Kaisya Ltd.	Tsurumaru
121	Japan	University of Osaka	Yamakawa
125	Japan	University of Tokyo	Masuko
140	Japan	University of Tokyo	Homma
158	Japan	University of Tokyo	Tachibana
131	Japan	Yamaguchi University	Ogura
133	Japan	Yokohama National University	Takahashi
261	Korea	Choongnam National University	Lee
264	Korea	Hanyang University	Yoon
265	Korea	Korea Advanced Institute of Science and Technology	Pyun
263	Korea	Korea Institute of Machinery and Materials	Kwon
266	Korea	Korea Maritime University	Dae-Hi

CORROSION SURVEY INDEXED BY COUNTRY AND INSTITUTION

RECORD NO.	COUNTRY	INSTITUTION	RESEARCH DIRECTOR
262	Korea	Yonsei University	Park
267	Kuwait	University of Kuwait	Al-Kharafi
400	Lithuanian SSR	Academy of Sciences of the Lithuanian SSR	Kosto
98	Mexico	Instituto Mexicano del Petroleo	Guerrero
99	Mexico	National University of Mexico	Avila-Mendoza
103	Mexico	Tecnologia Galvanica, S.A. de C.V.	Buisan
268	Morocco	National School of Mines (ENIM)	El Moujahid
450	New Zealand	Building Research Association of New Zealand	Duncan
451	New Zealand	Chemical Cleaning Ltd.	Driver
447	New Zealand	DSIR	Norris
446	New Zealand	Defence Scientific Establishment	Levinsohn
452	New Zealand	Department of Scientific and Industrial Research	Boulton
453	New Zealand	Department of Scientific and Industrial Research	Wilson
454	New Zealand	New Zealand Steel	Whitehead
448	New Zealand	University of Auckland	Wright
449	New Zealand	University of Auckland	Sharp
445	New Zealand	University of Canterbury	Fahy
455	New Zealand	Victoria University of Wellington	Smedley
341	Norway	Hydro Aluminium A/S	Evensen
327	Norway	Institute for Energy Technology	Videm
320	Norway	International Farvefabrik A/S	Korsoen
342	Norway	Jotun Protective Coatings	Naess
339	Norway	Norsk Energi	Halvorsen
340	Norway	Norsk Hydro	Hansen
322	Norway	Norwegian Building Research Institute	Gran
335	Norway	Norwegian Building Research Institute	Isaksen
331	Norway	Norwegian Defence Research Establishment	Hasvold
336	Norway	Norwegian Geotechnical Institute	Bryhn
332	Norway	Norwegian Institute for Air Research	Henriksen
333	Norway	Norwegian Institute for Water Research	Kristiansen
338	Norway	Norwegian Marine Technology Research Institute A/S	Johansen
337	Norway	Norwegian Research Institute of Electricity Supply A/S	Refsnaes
334	Norway	Rogalandsforskning	Valand
324	Norway	SINTEF/NTH	Bardal
323	Norway	STI - National Institute of Technology	Ivan
328	Norway	Scandinavian Institute of Dental Materials, NIOM	Holland
326	Norway	Senter for Industriforskning	Slotfeldt-Ellingsen
321	Norway	State Power Board	Rinvoll
325	Norway	The Norwegian Institute of Technology, NTH	Gjoerv
319	Norway	University of Oslo	Kofstad
330	Norway	Veritas Offshore Technology and Services A/S	Espelid
329	Norway	Veritas Offshore Technology and Services A/S, VERITEC	Eriksrud
255	Poland	Academy of Mining and Metallurgy	Mrowec
259	Poland	Industrial Chemistry Research Institute	Mieluch
256	Poland	Institute of Ferrous Metallurgy	Folek
253	Poland	Institute of Precision Mechanics	Kozlowski
258	Poland	Instytut Przemyslu Tworkzyw I Farb	Smieszek
249	Poland	Maritime Institute	Stankiewicz
251	Poland	Polish Academy of Sciences	Flis
250	Poland	Ship Design and Research Centre	Domanski
257	Poland	Technical University of Czestochowa	Przewlocka

CORROSION SURVEY INDEXED BY COUNTRY AND INSTITUTION

RECORD NO.	COUNTRY	INSTITUTION	RESEARCH DIRECTOR
248	Poland	Technical University of Gdansk	Juchniewicz
252	Poland	Technical University of Radom	Marczak
254	Poland	Technical University of Wroclaw	Kubicki
260	Poland	Warsaw University of Technology	Szummer
463	Portugal		Barbosa
468	Portugal	Departamento de Engenharia Quimica da Universidade de Coimbra	Lobo
465	Portugal	Instituto Superior Tecnico	Ferreira
466	Portugal	Instituto de Soldadura e Qualidade	Oliveira Santos
467	Portugal	LNETI - Servico de Corrosao e Proteccao de Materiais	Almeida
464	Portugal	Laboratorio Nacional de Engenharia Civil	do Rosario Cravo
523	Romania	Polytechnic Institute of Bucharest	Radovici
527	South Africa	Chamber of Mines of South Africa	
524	South Africa	Council for Scientific and Industrial Research	
525	South Africa	MINTEK (Council for Mineral Technology)	
526	South Africa	University of Cape Town	
456	South Africa	University of the Witwatersrand	Robinson
539	Spain	Basque Country University	Otero
528	Spain	Centro Nacional de Investigaciones Metalurgicas (CENIM)	Feliu
545	Spain	Centro de Investigaciones Energeticas, Medioambientales y Tecn.	Briceno
529	Spain	E.T.S.I. de Caminos, U. Politecnica	Calafat
546	Spain	Escuela Superior Ingenieros Industriales	Recarey
538	Spain	INASMET	Gutierrez
543	Spain	INESPAL (CINDAL)	Gazapo
530	Spain	Instituto "Eduardo Torroja" de la Construccion y del Cemento	Andrade
535	Spain	Instituto Nacional de Tecnica Aerospacial (INTA)	Carrera Jaraiz
541	Spain	Instituto Quimico Sarria	Victori
533	Spain	Instituto de Agroquimica y Tecnologia de Alimentos CSIC(Valencia)	Moragrega
542	Spain	LABEIN	Porro
537	Spain	Universidad Autonoma de Barcelona	Julve
532	Spain	Universidad Complutense	Huerta
547	Spain	Universidad Politecnica de Madrid, E.T.S. de Ingenieros Industr.	Ranninger
544	Spain	Universidad Politecnica de Valencia	Ventura
531	Spain	Universidad Pontificia Comillas	Hidalgo
534	Spain	Universidad de Cantabria	Gutierrez-Solana
536	Spain	Universidad de Sevilla	Herrera
548	Spain	University of Barcelona	Costa
540	Spain	c/Marti i Franaves s/n	Molera Sola
521	Sweden	Chalmers University of Technology & University of Gothenburg	Ahlberg
516	Sweden	Chalmers University of Technology (CTH)	Olefjord
513	Sweden	FFV - Material Technology	Lekbeck
512	Sweden	Royal Institute of Technology	Hultquist
514	Sweden	Royal Institute of Technology	Berendson
515	Sweden	Royal Institute of Technology	Wallin
518	Sweden	Studsvik Energiteknik AB	Rosberg
522	Sweden	Swedish Cement and Concrete Research Institute (CBI)	Byfors
520	Sweden	Swedish Corrosion Institute	Kucera
517	Sweden	Swedish Institute for Metals Research	Hutchinson
519	Sweden	Swedish National Testing Institute	Carlsson
279	Taiwan	Berlin Co. Ltd.	Chen
280	Taiwan	China Steel Corp.	Wu
278	Taiwan	Chung Lhan Institute of Science and Technology	

CORROSION SURVEY INDEXED BY COUNTRY AND INSTITUTION

RECORD NO.	COUNTRY	INSTITUTION	RESEARCH DIRECTOR
277	Taiwan	Industrial Technology Research Institute	Chen
281	Taiwan	National Chiao Tung University	Tu
282	Taiwan	National Tsing Hua University	Tsai
555	The Netherlands	Delft University of Technology	de Wit
552	The Netherlands	Koninklijke/Shell-Laboratorium	Tausk
553	The Netherlands	National Aerospace Laboratory NLR	Wanhill
554	The Netherlands	Royal Netherlands Navy	IJsserling
551	The Netherlands	University of Twente	Gellings
228	U.K.	Alcan International Ltd.	Scamans
201	U.K.	Aston University	Page
203	U.K.	Brighton Polytechnic	Riley
229	U.K.	British Coal	Lloyd
230	U.K.	British Gas PLC	Stevens
231	U.K.	British Petroleum (BP)	Harrop
232	U.K.	Central Electricity Generating Board	Simpson
205	U.K.	City University	Lush
213	U.K.	City of London Polytechnic, Sir John Cass School of Sci. & Techn.	Booker
208	U.K.	Coventry (Lanchester) Polytechnic	Kirk
206	U.K.	Cranfield Institute of Technology	Robinson
245	U.K.	Department of Transport	Woodward
233	U.K.	Department of the Environment	Everett
234	U.K.	General Electric Co.	Christie
235	U.K.	Harwell Laboratory	Bennett
237	U.K.	ICI Chemicals and Polymer Group	Charlton
236	U.K.	ICI Chemicals and Polymers Group	Moreland
238	U.K.	ICI Chemicalsand Polymers Group	Cuck
239	U.K.	ICI PLC	Richardson
214	U.K.	Imperial College of Science and Technology	West
210	U.K.	Liverpool Polytechnic	Gleaves
212	U.K.	Loughborough College of Technology	Menzies
241	U.K.	National Coal Board	Kenny
242	U.K.	National Physical Laboratory	Francis
218	U.K.	Newcastle upon Tyne Polytechnic	Strafford
240	U.K.	North East Wales Institute of Higher Education	Wolstenholme
243	U.K.	Paint Research Association	Sherwood
222	U.K.	Sheffield City Polytechnic	Jackson
244	U.K.	Shell Thornton Research Centre	Shone
225	U.K.	Trent Polytechnic	Mills
246	U.K.	United Kingdom Atomic Energy Authority	Dell
247	U.K.	United Kingdom Atomic Energy Authority	Wilson
202	U.K.	University of Bath	McEnaney
204	U.K.	University of Cambridge	Burstein
207	U.K.	University of Lancaster	Collins
209	U.K.	University of Leeds	Scully
211	U.K.	University of Liverpool	Swindells
215	U.K.	University of Manchester	Lees
216	U.K.	University of Manchester , Institute of Science & Technology	Wood
217	U.K.	University of Newcastle upon Tyne	Armstrong
219	U.K.	University of Newcastle upon Tyne	Parkins
220	U.K.	University of Nottingham	Llewelyn Leach
221	U.K.	University of Oxford	Sykes

CORROSION SURVEY INDEXED BY COUNTRY AND INSTITUTION

RECORD NO.	COUNTRY	INSTITUTION	RESEARCH DIRECTOR
223	U.K.	University of Southampton	Fleischmann
224	U.K.	University of Surrey	Castle
226	U.K.	University of Ulster	Brown
227	U.K.	University of Wales, University College of Swansea	Davies
48	U.S.A.	AT&T Bell Laboratories	Frankenthal
49	U.S.A.	AT&T Bell Laboratories	Antler
50	U.S.A.	AT&T Bell Laboratories	Blee
80	U.S.A.	AT&T Bell Laboratories	Sinclair
10	U.S.A.	Arizona State University	Wagner, Jr.
90	U.S.A.	Battelle Memorial Institute	Koch
73	U.S.A.	Battelle Pacific Northwest Laboratories	Divine
41	U.S.A.	Bethlehem Steel Corporation	Townsend
12	U.S.A.	Brookhaven National Laboratory	Isaacs
78	U.S.A.	California Polytechnic State University	Heidersbach
39	U.S.A.	Clarkson University	Matijevic
79	U.S.A.	Clarkson University	Chin
62	U.S.A.	Clemson University	Wolf
6	U.S.A.	Colorado School of Mines	Yarar
602	U.S.A.	Columbia University	Stimming
85	U.S.A.	Cornell University	Hover
69	U.S.A.	Corrosion Testing Laboratories, Inc.	Corbett
54	U.S.A.	Department of the Navy	De Luccia
68	U.S.A.	Department of the Navy	Morton
8	U.S.A.	E. I. Du Pont de Nemours & Co., Inc.	Ondrejcin
35	U.S.A.	Florida Atlantic University	Hartt
42	U.S.A.	General Electric Company	Kass
27	U.S.A.	Georgia Institute of Technology	Hochman
46	U.S.A.	Haynes International, Incorporated	Klein
28	U.S.A.	IIT Research Institute	Verma
56	U.S.A.	LaQue Center for Corrosion Technology, Inc.	Kirk
93	U.S.A.	Lawrence Livermore National Laboratory	McCright
52	U.S.A.	Lehigh University	Leidheiser, Jr.
16	U.S.A.	Lewis Research Center, NASA	Stearns
94	U.S.A.	Louisiana State University	Raman
32	U.S.A.	Massachusetts Institute of Technology	Latanision
63	U.S.A.	Massachusetts Institute of Technology	Ballinger
77	U.S.A.	Michigan State University	Summitt
19	U.S.A.	Michigan Technological University	Heldt
43	U.S.A.	Monsanto Chemical Company	Puyear
58	U.S.A.	National Aeronautics and Space Administration	Lisagor
72	U.S.A.	National Bureau of Standards	Ruff
45	U.S.A.	Naval Research Laboratory	Crooker
37	U.S.A.	Ohio State University	Wilde
26	U.S.A.	Ohio University	Baloun
34	U.S.A.	Oklahoma State University	Erbar
53	U.S.A.	Olin Corporation	Tyler
601	U.S.A.	Penn State University	Pickering
18	U.S.A.	Petrolite Corporation	French
102	U.S.A.	Rensselaer Polytechnic Institute	Duquette
71	U.S.A.	Rockwell International Science Center	Lumsden
100	U.S.A.	SRI International	McKubre

CORROSION SURVEY INDEXED BY COUNTRY AND INSTITUTION

RECORD NO.	COUNTRY	INSTITUTION	RESEARCH DIRECTOR
30	U.S.A.	Sandia National Laboratories	Diegle
55	U.S.A.	State University of New York at Buffalo	Good
21	U.S.A.	State University of New York at Stony Brook	Clayton
20	U.S.A.	Stevens Institute of Technology	Weil
9	U.S.A.	Texas A&M University	Griffin
36	U.S.A.	Texas Instruments Incorporated	Baboian
84	U.S.A.	The Institute of Paper Chemistry	Yeske
29	U.S.A.	The Johns Hopkins University	Moran
40	U.S.A.	The Johns Hopkins University	Kruger
15	U.S.A.	University of Arizona	Raghavan
31	U.S.A.	University of California	Douglass
70	U.S.A.	University of California	Devine
47	U.S.A.	University of Connecticut	Devereux
38	U.S.A.	University of Delaware	Dexter
92	U.S.A.	University of Florida	Verink, Jr.
74	U.S.A.	University of Hawaii at Manoa	Liebert
67	U.S.A.	University of Illinois	Alkire
95	U.S.A.	University of Illinois at Chicago	Danyluk
86	U.S.A.	University of Kansas	Locke
96	U.S.A.	University of Michigan	Was
65	U.S.A.	University of Minnesota	Oriani
60	U.S.A.	University of Nebraska-Lincoln	Johnson
59	U.S.A.	University of Nevada-Reno	Jones
23	U.S.A.	University of Notre Dame	Miller
44	U.S.A.	University of Oklahoma	Daniels
61	U.S.A.	University of Pittsburgh	Pettit
91	U.S.A.	University of Rhode Island	Brown
5	U.S.A.	University of South Carolina	Van Zee
76	U.S.A.	University of South Florida	Sagues
88	U.S.A.	University of Southern California	Mansfeld
87	U.S.A.	University of Southwestern Louisiana	Garber
89	U.S.A.	University of Tennessee	Buchanan
14	U.S.A.	University of Texas at Arlington	Johnson
13	U.S.A.	University of Texas at Austin	Eliezer
17	U.S.A.	University of Texas at El Paso	
66	U.S.A.	University of Utah	Pitt
11	U.S.A.	University of Virginia	Stoner
25	U.S.A.	Vanderbilt University	Lichter
83	U.S.A.	Westvaco Corporation	Sharpe
7	U.S.A.	Worcester Polytechnic Institute	Sisson, Jr.
417	USSR	Academy of Municipal Economy	Levin
420	USSR	Academy of Sciences GSSR	Tavadze
422	USSR	Academy of Sciences USSR	Ozeryanaya
401	USSR	Academy of Sciences of the USSR	Berezina
403	USSR	CNIITMASH	Ryabchenkov
419	USSR	Chelyabinsk Inst. of Mechanization & Agricultural Electrification	Golyanitski
407	USSR	D. I. Mendeleev Institute of Chemical Technology	Kudryavtsev
406	USSR	Dneprodzerzhinsk Industrial Institute	Fyodorov
414	USSR	Dniepropetrovsk Chemical Technology Institute	Vazhenin
410	USSR	Dniepropetrovsk State University	Loshkaryov
413	USSR	Georgian Polytechnical Institute	Agladze

CORROSION SURVEY INDEXED BY COUNTRY AND INSTITUTION

RECORD NO.	COUNTRY	INSTITUTION	RESEARCH DIRECTOR
415	USSR	Gosniimethanolproekt	Kuzub
405	USSR	Karpov Institute of Physical Chemistry	Kolotyrkin
404	USSR	Kharkov Chemical and Mechanical Technical School	Druchenko
412	USSR	Kharkov State Pedagogical Institute	Kadaner
411	USSR	Kirov Polytechnic Institute	Ovchinnikova
421	USSR	M.G.P.J. im. V. J. Lenina	Batrakov
416	USSR	Perm University	Khaldeyev
409	USSR	Polytechnical Institute	Anoshchenko
418	USSR	State Institute of Nitrogen Industry	Kramarenko
408	USSR	Tambov State Pedagogical Institute	Vigdorovich
423	USSR	The Kazakh Red Banner State University named after S. M. Kirov	Achmetov
596	Yugoslavia	Chemical Industry Pancevo (HIP)	Kostic
597	Yugoslavia	Faculty of Technology and Metallurgy	Mladenovic
594	Yugoslavia	Gradevinski Institut (Civil Engineering Institute)	Dukic
599	Yugoslavia	Institute of the Corrosion and Protection of Metals	Sarc-Lahodny
593	Yugoslavia	University of Zagreb	Cikovic
595	Yugoslavia	University of Zagreb	Esih
598	Yugoslavia	University of Zagreb	Sarc-Lahodny
600	Yugoslavia	University of Zagreb	Stern

INSTITUTION NAME AND ADDRESS
Record number 1
Date of record:June 1988

University of Manitoba
Mechanical Engineering
Metallurgical Sciences Laboratory
Winnipeg, Manitoba R3T 2N2
Canada

Tel: (204) 474 9803

DIRECTOR OF RESEARCH

Dr. J. R. Cahoon

KEY PERSONNEL

Drs. M. N. Bassim and M. C. Chaturvedi

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion

RESEARCH DETAILS

COMMENTS

Drs. M. N. Bassim and M. C. Chaturvedi also direct corrosion research

---

INSTITUTION NAME AND ADDRESS
Record number 2
Date of record:June 1988

University of Alberta
Dept. of Mining
Metallurgical & Petroleum Engineering
Edmonton, Alberta T6G 2G6
Canada

Tel: (403) 432 2603

DIRECTOR OF RESEARCH

Dr. S. A. Bradford

KEY PERSONNEL

Graduate Students: K. McKenzie, M. Pan, H. Skrzypek, W. Yee and A. Esayed

MAJOR AREAS OF RESEARCH

Fundamental aspects
Soil corrosion
Marine corrosion
Chemical and petroleum industry
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 3
Date of record:June 1988

University of Western Ontario
Faculty of Engineering Science

London, Ontario N6A 5B9
Canada

Tel: (519) 978 4430

DIRECTOR OF RESEARCH

Prof. J. S. Sheasby

KEY PERSONNEL

T. L. Walzak and H. Williams

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
High temperature

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 4
Date of record:June 1988

Queen's University
Civil Engineering

Kingston, Ontario K7L 3N6
Canada

Tel:

DIRECTOR OF RESEARCH

Dr. B. B. Hope

KEY PERSONNEL

Dr. A. K. C. Ip

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection

Corrosion in concrete

RESEARCH DETAILS

Corrosion of steel in concrete

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 5
Date of record:June 1988

University of South Carolina
Chemical Engineering Dept.
Swearingen Engineering Center
Columbia, S.C. 29208
U.S.A.

Tel: (803) 777 4181

DIRECTOR OF RESEARCH

Dr. J.W. Van Zee

KEY PERSONNEL

S. A. McCluney, C. T. Lee, P. Chin and S. S. Zeng,
Ms. B. Iamtasna

MAJOR AREAS OF RESEARCH

Fundamental aspects
Chemical and petroleum industry
Electronics industry
Stress corrosion cracking
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 6
Date of record:June 1988

Colorado School of Mines
Metallurgical Engineering

Golden, Colorado 80401
U.S.A.

Tel: (303) 273 3770

DIRECTOR OF RESEARCH

Prof. B. Yarar

KEY PERSONNEL

Profs. C. A. Natalie, W. D. Copeland, J. E. Jones, G. R. Edwards, R. H. Frost, G. Krauss, J. P. Hager, G. P. Martins, D. K. Matlock, D. L. Olson and W. van Ooij, S. Donelson and H. Bird

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
Soil corrosion
Marine corrosion
High temperature
Hot corrosion
Chemical and petroleum industry
Power generation industry
Electronics industry
Potable and cooling water systems
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 7
Date of record: June 1988

Worcester Polytechnic Institute
Materials Engng. Labs., Mechanical Engineering

Worcester, Massachusetts 01609
U.S.A.

Tel: (617) 793 5346

DIRECTOR OF RESEARCH

Prof. R. D. Sisson, Jr.

KEY PERSONNEL

Graduate Students: M. M. Makhlauf, E. Y. Lee, M. M. Hughes and D. M. Chartier

MAJOR AREAS OF RESEARCH

Fundamental aspects
Coatings
High temperature
Power generation industry
Electronics industry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 8
Date of record:June 1988

E. I. Du Pont de Nemours & Co., Inc.
Savannah River Laboratory

Aiken, South Carolina 29808
U.S.A.

Tel:

DIRECTOR OF RESEARCH

Dr. R. S. Ondrejcin

KEY PERSONNEL

Drs. D. F. Bickford and C. F. Jenkins

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Cathodic/anodic protection
Inhibitors
High temperature
Hot corrosion
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

Drs. D. F. Bickworth and C. F. Jenkins also direct corrosion research

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INSTITUTION NAME AND ADDRESS

Record number 9
Date of record:June 1988

Texas A&M University
Mechanical and Chemical Engineering

College Station, Texas 77843
U.S.A.

Tel: (409) 845 1251

DIRECTOR OF RESEARCH

Prof. R.B. Griffin

KEY PERSONNEL

Profs. R. E. White, L. R. Cornwell, W. Seitz and E. Estes

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Atmospheric corrosion
Marine corrosion
Environmental cracking

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 10
Date of record:June 1988

Arizona State University
Center for Solid State Science

Tempe, Arizona 85287
U.S.A.

Tel:

DIRECTOR OF RESEARCH

Prof. J. B. Wagner, Jr.

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

High temperature
Hot corrosion

RESEARCH DETAILS

Sulphur dioxide-oxygen corrosion of metals at high temperatures.
Carbon dioxide-carbon monoxide corrosion of silicon.
Oxidation of turbine blade alloys

COMMENTS

No graduate students at the present time

INSTITUTION NAME AND ADDRESS

Record number 11
Date of record:June 1988

University of Virginia
Materials Science

Charlottesville, Virginia 22901
U.S.A.

Tel: (804) 924 3264

DIRECTOR OF RESEARCH

Prof. G. E. Stoner

KEY PERSONNEL

S. R. Taylor and G. L. Cahen, Jr., 12 - 15 graduate students

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Coatings
Power generation industry
Research techniques

RESEARCH DETAILS

Aerospace materials, e.g. Al-Li alloys and composites

COMMENTS

Prof. R. P. Gangloff also directs research

INSTITUTION NAME AND ADDRESS

Record number 12
Date of record: June 1988

Brookhaven National Laboratory
Materials Science Division, Applied Science
Building 480
Upton, Long Island, New York 11973
U.S.A.

Tel: (516) 282 4516

DIRECTOR OF RESEARCH

Dr. H. S. Isaacs

KEY PERSONNEL

K. Sieradzki, G. A. Cragnolino, K. L. Shukla and R. Li

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
High temperature
Stress corrosion cracking
Localised corrosion
Research techniques

RESEARCH DETAILS

COMMENTS

K. Sieradzki also directs corrosion research

INSTITUTION NAME AND ADDRESS
Record number 13
Date of record:June 1988

University of Texas at Austin
Materials Science & Engng. Center, Mechanical Eng.

Austin, Texas 78712
U.S.A.

Tel: (512) 471 3180

DIRECTOR OF RESEARCH

Prof. Z. Eliezer

KEY PERSONNEL

J. P. Stark and H. G. Wheat

MAJOR AREAS OF RESEARCH

Fundamental aspects
Corrosion in concrete
Corrosive wear

RESEARCH DETAILS

Corrosion of steel in concrete

COMMENTS

J. P. Stark and H. G. Wheat also direct corrosion research

INSTITUTION NAME AND ADDRESS
Record number 14
Date of record:June 1988

University of Texas at Arlington
UTA Station
Box 19023
Arlington, Texas 76019
U.S.A.

Tel: (817) 273 2017

DIRECTOR OF RESEARCH

Prof. R. Johnson

KEY PERSONNEL

C. D. Wiseman and R. D. Goolsby

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion

Coatings
High temperature
Research techniques

RESEARCH DETAILS

Surface modifications including residual stresses
and alloying by diffusion

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 15
Date of record:June 1988

University of Arizona
Materials Science & Engineering

Tucson, Arizona 85721
U.S.A.

Tel: (602) 621 6070

DIRECTOR OF RESEARCH

Dr. S. Raghavan

KEY PERSONNEL

Dr. K. L. Keating

MAJOR AREAS OF RESEARCH

Fundamental aspects
Inhibitors
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 16
Date of record:June 1988

Lewis Research Center, NASA
Environmental Durability Branch, Materials Div.

Cleveland, Ohio 44135
U.S.A.

Tel: (216) 433 4000

DIRECTOR OF RESEARCH

Mr. C. A. Stearns

KEY PERSONNEL

Drs. J. L. Smialek, A. Misra and N. S. Jacobson, D. S. Fox and

C. A. Barrett

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Coatings
High temperature
Hot corrosion

RESEARCH DETAILS

Gas turbine corrosion

COMMENTS

INSTITUTION NAME AND ADDRESS	Record number 17
	Date of record:June 1988

University of Texas at El Paso
Metallurgical Engineering

El Paso, Texas 79968
U.S.A.

Tel: (915) 747 5468

DIRECTOR OF RESEARCH

KEY PERSONNEL

W. W. Fisher, S. W. Stafford and A. Bronson

MAJOR AREAS OF RESEARCH

Fundamental aspects
New materials for corrosion
Coatings
High temperature
Hot corrosion
Corrosive wear
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS	Record number 18
	Date of record:June 1988

Petrolite Corporation

369 Marshall Avenue
St. Louis, Missouri 63119

U.S.A.

Tel:

DIRECTOR OF RESEARCH

E. C. French

KEY PERSONNEL

R. G. Asperger, T. G. Braga, J. A. Dougherty, R. H. Hausler, R. L. Martin and M. J. Zetlmeisl

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Inhibitors
High temperature
Chemical and petroleum industry
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 19
Date of record:June 1988

Michigan Technological University
Metallurgical Engineering

Houghton, Michigan
U.S.A.

Tel: (906) 487 2630

DIRECTOR OF RESEARCH

L. A. Heldt

KEY PERSONNEL

C. L. White

MAJOR AREAS OF RESEARCH

Fundamental aspects

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 20
Date of record:June 1988

Stevens Institute of Technology

Castle Point Station
Hoboken, New Jersey 07030
U.S.A.

Tel: (201) 420 5257

DIRECTOR OF RESEARCH

R. Weil

KEY PERSONNEL

K. Sheppard

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Coatings

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 21
Date of record: June 1988

State University of New York at Stony Brook
Materials Science and Engineering

Stony Brook, New York 11794
U.S.A.

Tel:

DIRECTOR OF RESEARCH

Prof. C. R. Clayton

KEY PERSONNEL

Graduate Students

MAJOR AREAS OF RESEARCH

Fundamental aspects
New materials for corrosion
Coatings
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

University of British Columbia
Metals and Materials Engineering
309 Stores Road
Vancouver, British Columbia V6T 1W5
Canada

Record number 22
Date of record:June 1988

Tel: (604) 228 2676

DIRECTOR OF RESEARCH

Prof. D. Tromans

KEY PERSONNEL

C. Fong, Graduate Students

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Marine corrosion
High temperature
Hot corrosion
Chemical and petroleum industry
Power generation industry
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

University of Notre Dame
Materials Science and Engineering
Box E
Notre Dame, Indiana 46556
U.S.A.

Record number 23
Date of record:June 1988

Tel: (219) 239 5330

DIRECTOR OF RESEARCH

Prof. A. E. Miller

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Batteries and fuel cells

RESEARCH DETAILS

Electrochemistry of solid electrolytes

COMMENTS

The department is not directly involved in corrosion research

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INSTITUTION NAME AND ADDRESS

Record number 24
Date of record:June 1988

McMaster University
Institute for Materials Research
1280 Main Street West
Hamilton, Ontario L8S 4M1
Canada

Tel: (416) 525 9140

DIRECTOR OF RESEARCH

Prof. M. B. Ives

KEY PERSONNEL

Prof. W. W. Smeltzer, Dr. L. W. Shemilt

MAJOR AREAS OF RESEARCH

Fundamental aspects
New materials for corrosion
High temperature
Hot corrosion
Power generation industry
Localised corrosion
Passivity
Aqueous corrosion
Research techniques

RESEARCH DETAILS

Aqueous corrosion and passivity:
(a) the structure of anodic films on passivatable alloys
(b) pitting corrosion
High temperature corrosion and metal oxidation:
(a) oxidation of metals and alloys
(b) sulphidation properties of iron-based alloys

COMMENTS

Prof. W. W. Smeltzer also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 25
Date of record:June 1988

Vanderbilt University
Mechanical and Materials Engineering
Box 16, Station B
Nashville, Tennessee 37235
U.S.A.

Tel: (615) 322 2589

DIRECTOR OF RESEARCH

Prof. B. D. Lichter

KEY PERSONNEL

Prof. W. F. Flanagan, Grad. Students: Massinon, Lee, Zhu, Shah, Chammas, Diehm and Houser

MAJOR AREAS OF RESEARCH

Fundamental aspects
New materials for corrosion
Hot corrosion
Electronics industry
Batteries and fuel cells
Stress corrosion cracking
Research techniques

RESEARCH DETAILS

Mechanistic studies of stress corrosion cracking of copper-base alloys and metallic glasses
Mechanisms of alloy corrosion (including studies of copper-gold alloys, copper-zinc alloys, iron-based metal-metalloid metallic glasses)
Development of mathematical models of stress corrosion cracking
Corrosion of lead-base alloys for battery applications

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 26
Date of record:June 1988

Ohio University
Chemical Engineering
Stocker Center
Athens, Ohio 45701
U.S.A.

Tel:

DIRECTOR OF RESEARCH

C. Baloun

KEY PERSONNEL

Graduate Students

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion

Inhibitors
Coatings
Atmospheric corrosion
Soil corrosion
Hot corrosion
Chemical and petroleum industry
Power generation industry
Electronics industry
Potable and cooling water systems
Research techniques

RESEARCH DETAILS

COMMENTS

No graduate students at present time

INSTITUTION NAME AND ADDRESS | Record number 27

Date of record:June 1988

Georgia Institute of Technology

225 North Avenue, N. W.
Atlanta, Georgia 30332
U.S.A.

Tel: (404) 894 2879

DIRECTOR OF RESEARCH

Dr. R. F. Hochman

KEY PERSONNEL

Dr. M. I. Marek, Graduate Students

MAJOR AREAS OF RESEARCH

New materials for corrosion
Medical and dental applications
Stress corrosion cracking
Aqueous corrosion

RESEARCH DETAILS

Corrosion of dental materials
Corrosion of orthopaedic implant materials
Corrosion of ion-plated and ion-implanted materials
Corrosion of austenitic steels in chlorite solutions
Corrosion of aluminum-lithium alloys

COMMENTS

Dr. M. I. Marek also directs corrosion research

INSTITUTION NAME AND ADDRESS | Record number 28

Date of record:June 1988

IIT Research Institute

10 West 35 Street
Chicago, Illinois 60616
U.S.A.

Tel:

DIRECTOR OF RESEARCH

Dr. S. K. Verma

KEY PERSONNEL

Dr. M. A. H. Howes, E. J. Vesely and Jr., B. Panda

MAJOR AREAS OF RESEARCH

Coatings
High temperature
Hot corrosion
Erosion/corrosion

RESEARCH DETAILS

Oxidation/sulphidation of materials for coal gasification and fuel cell environments
Mechanistic study of oxidation of turbine blades
Coating development for improved lifetime

COMMENTS

Dr. M. A. H. Howes also directs research

INSTITUTION NAME AND ADDRESS

Record number 29
Date of record: June 1988

The Johns Hopkins University
Chemical Engng., Materials Science & Engineering
Corrosion & Electrochemistry Research Laboratory
Baltimore, Maryland 21218
U.S.A.

Tel: (301) 338 7732

DIRECTOR OF RESEARCH

Prof. P. J. Moran

KEY PERSONNEL

Profs. J. Kruger and G. Prentice

MAJOR AREAS OF RESEARCH

Medical and dental applications
Stress corrosion cracking
Passivity
Electrochemical processing and engineering

RESEARCH DETAILS

Passivity and breakdown of passivity
Electrochemistry of stress corrosion
Electrochemistry and electrochemical engineering of corrosion
Mechanisms of corrosion of surgical implant devices
Localized corrosion mechanisms

COMMENTS

Profs. J. Kruger and G. Prentice also direct research

INSTITUTION NAME AND ADDRESS

Record number 30
Date of record:June 1988

Sandia National Laboratories
Corrosion Division, Org. 1841
P.O. Box 5800
Albuquerque, New Mexico 87185
U.S.A.

Tel:

DIRECTOR OF RESEARCH

Dr. R. B. Diegle

KEY PERSONNEL

T. M. Christensen, T. R. Guilinger, B. D. Kay and N. R. Sorensen

MAJOR AREAS OF RESEARCH

Atmospheric corrosion
Corrosion of composites and metalloids
Passivity
Electrochemical processing and engineering
Research techniques

RESEARCH DETAILS

Atmospheric corrosion and oxidation of metals used for electronic and microelectronic applications
Understanding the origins of passivity of transition metal-base metallic glasses and defining the effects of alloy structure and composition on passivity
Electrochemical processing of materials, including electrodeposition of corrosion-resistant glassy alloys and etching silicon for silicon-on-insulator technology
Gas-metal interaction studies, including the nature of hydrogen adsorption and desorption from clean and chemically poisoned metallic surfaces
Characterizing the chemistry of corroded surfaces with techniques including ellipsometry, x-ray photoelectron spectroscopy and Auger electron spectroscopy

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 31
Date of record:June 1988

University of California
Materials Science and Engineering

Los Angeles, California 90024
U.S.A.

Tel:

DIRECTOR OF RESEARCH

Prof. D. L. Douglass

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

High temperature
Hot corrosion

RESEARCH DETAILS

Oxidation and sulphidation kinetics and mechanisms

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 32
Date of record:June 1988

Massachusetts Institute of Technology
Materials Science and Engineering
77 Massachusetts Avenue
Cambridge, Massachusetts 02139
U.S.A.

Tel: (617) 253 3239

DIRECTOR OF RESEARCH

Prof. R. M. Latanision

KEY PERSONNEL

Profs. G. J. Yurek, H. H. Uhlig and W.-X. Wang, Drs. P. Searson, A. J. Garratt-Reed, M. Eberhart, K. Przybylski, S. Thorpe and P. Nagarkar, J. R. Martin and Y. Zhou

MAJOR AREAS OF RESEARCH

New materials for corrosion
High temperature
Electronics industry
Environmental cracking
Hydrogen permeation and embrittlement
Corrosion of composites and metalloids

Aqueous corrosion
Photoelectrochemistry

RESEARCH DETAILS

Oxidation in multicomponent gaseous environments
Oxidation of alloys produced by rapid solidification processing
Aqueous corrosion resistance of metastable microcrystalline alloys
Chemical stability of metallic glasses
Hydrogen permeation and embrittlement of nickel-base alloys
Environmentally-induced cracking under cyclic loading of nickel-base alloys in light water reactors
Packaging of integrated circuits
Oxidation of ion-implanted alloys
Effects of grain boundary segregation in oxide scales
Effects of rare-earth elements on oxidation behaviour

COMMENTS

Prof. G. J. Yurek also directs corrosion research
H. H. Uhlig is a Prof. Emeritus

INSTITUTION NAME AND ADDRESS

Record number 33
Date of record:June 1988

Pulp and Paper Research Institute
Corrosion & Materials Engineering Section

Pointe Claire, Quebec
Canada

Tel:

DIRECTOR OF RESEARCH

Dr. A. Garner

KEY PERSONNEL

C. Thompson and D. Singbeil

MAJOR AREAS OF RESEARCH

Cathodic/anodic protection
Environmental cracking
Corrosive wear
Localised corrosion

RESEARCH DETAILS

Localized corrosion of stainless steels
Caustic cracking of carbon steels
Electrochemical corrosion protection of process equipment
Corrosion of weldments
Corrosion and wear problems with process equipment

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 34
Date of record: June 1988

Oklahoma State University
Chemical Engineering, Mechanical Engineering

Stillwater, Okalohoma 74078
U.S.A.

Tel: (405) 624 5280

DIRECTOR OF RESEARCH

R. C. Erbar

KEY PERSONNEL

C. E. Price

MAJOR AREAS OF RESEARCH

Cathodic/anodic protection
Chemical and petroleum industry
Hydrogen permeation and embrittlement
Liquid metal corrosion and embrittlement
Stress corrosion cracking
Corrosion fatigue

RESEARCH DETAILS

Hydrogen embrittlement
Liquid metal embrittlement
Corrosion issues in process industries

COMMENTS

C. E. Price also directs corrosion research

INSTITUTION NAME AND ADDRESS — Record number 35
Date of record: June 1988

Florida Atlantic University
Ocean Engineering, Center for Marine Materials

Boca Raton, Florida 33431
U.S.A.

Tel: (305) 393 3436

DIRECTOR OF RESEARCH

Prof. W. H. Hartt

KEY PERSONNEL

Drs. S. W. Smith, R. Lee, S. E. Dunn, D. V. Reddy and L. Chen

MAJOR AREAS OF RESEARCH

Marine corrosion
Corrosion in concrete
Corrosion fatigue

RESEARCH DETAILS

Marine corrosion and prevention
Corrosion of metals in concrete
Calcareous deposits

COMMENTS

Drs. S. W. Smith and R. Lee also direct corrosion research

INSTITUTION NAME AND ADDRESS

Record number 36
Date of record:June 1988

Texas Instruments Incorporated
Electrochemical and Corrosion Laboratory
Mail Station: 10-13
Attleboro, Massachusetts 02703
U.S.A.

Tel:

DIRECTOR OF RESEARCH

R. Baboian

KEY PERSONNEL

G. S. Haynes and R. Turcotte

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Cathodic/anodic protection
Atmospheric corrosion
Electronics industry
Corrosion of composites and metalloids
Aqueous corrosion
Electrochemical processing and engineering

RESEARCH DETAILS

Development of laminar composites for corrosion resistance
Impressed current protection (cathodic protection) systems
Galvanic corrosion research
Electrochemical techniques for corrosion testing
Development of corrosion monitoring devices
Automotive corrosion - Materials and environmental research
Laboratory corrosion testing
Industrial electrochemical process development
Materials degradation caused by acid precipitation

Corrosion in electronics

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 37
Date of record:June 1988

Ohio State University
Metallurgical Engineering
Fontana Corrosion Center
Columbus, Ohio 43210
U.S.A.

Tel: (614) 422 0255

DIRECTOR OF RESEARCH

Dr. B. E. Wilde

KEY PERSONNEL

Drs. S. Smialowska, R. A. Rapp, J. Galvele, C. Manfredi, A. Cakir, A. Mozhi, M. Ben-Haim, X. Zaizhu and G. Z. Feng

MAJOR AREAS OF RESEARCH

High temperature
Hot corrosion
Hydrogen permeation and embrittlement
Stress corrosion cracking
Aqueous corrosion
High temperature electrochemistry

RESEARCH DETAILS

Aqueous corrosion and corrosion control
Corrosion and hydrogen embrittlement
Electrode kinetics
Hydrogen absorption

COMMENTS

Drs. S. Smialowska and R. A. Rapp also direct research

INSTITUTION NAME AND ADDRESS

Record number 38
Date of record:June 1988

University of Delaware
College of Marine Studies

Lewes, Delaware 19958
U.S.A.

Tel: (302) 645 4261

DIRECTOR OF RESEARCH

Prof. S. C. Dexter

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Cathodic/anodic protection
Marine corrosion
Localised corrosion

RESEARCH DETAILS

Microbiological corrosion - Effects of marine bacterial films on corrosion potential, oxygen reduction and localized corrosion initiation
Relation between cathodic protection, calcareous deposition and biofilms
Effects of seawater chemistry on corrosion of aluminum and stainless alloys and properties of simulated seawater electrolytes

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 39
Date of record: June 1988

Clarkson University
Chemistry, Institute of Colloid & Surface Science

Potsdam, New York 13676
U.S.A.

Tel: (315) 268 2392

DIRECTOR OF RESEARCH

Prof. E. Matijevic

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Power generation industry

RESEARCH DETAILS

Metal corrosion with special emphasis on corrosion in water-cooled nuclear power plants and steam generators which includes:
(a) Preparation of model colloidal corrosion products (e.g. hematite, magnetite, ferrite, etc.)
(b) Chemical mechanisms of corrosion products formation
(c) Adhesion of metal oxides on metal surfaces and their removal from these substrates
(d) Chemical decontamination of water-cooled nuclear power plants

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 40
Date of record:June 1988

The Johns Hopkins University
Materials Science & Engng., Chemical Engng.
Corrosion & Electrochemistry Research Laboratory
Baltimore, Maryland 21218
U.S.A.

Tel: (301) 338 8937

DIRECTOR OF RESEARCH

Prof. J. Kruger

KEY PERSONNEL

Profs. P. J. Moran and G. Prentice

MAJOR AREAS OF RESEARCH

Soil corrosion
Medical and dental applications
Corrosion of composites and metalloids
Stress corrosion cracking
Localised corrosion
Passivity
Electrochemical processing and engineering

RESEARCH DETAILS

Passivity and breakdown of passivity
Electrochemistry of stress corrosion
Electrochemistry and electrochemical engineering of corrosion
Mechanisms of corrosion of surgical implant devices
Localized corrosion mechanisms
Underground corrosion
Corrosion of composites and rapidly-solidified alloys

COMMENTS

Profs. P. J. Moran and G. Prentice also direct research

INSTITUTION NAME AND ADDRESS

Record number 41
Date of record:June 1988

Bethlehem Steel Corporation
Homer Research Laboratories

Bethlehem, Pennsylvania 18016
U.S.A.

Tel: (215) 694 6674

DIRECTOR OF RESEARCH

Dr. H. E. Townsend

KEY PERSONNEL

Drs. J. R. Arnold, H. E. G. Rommal, C. R. Shastry, S. G. Fountoulakis, J. V. Twork and Y.-H. Yau, R. M. Willison, E. D. Melcher, C. R. Hughes, S. A. Kriner, R. K. Singh and R. N. Steinbicker, Ms. R. S. Tuszynski

MAJOR AREAS OF RESEARCH

Coatings

RESEARCH DETAILS

Corrosion-protection properties and processing of electroplated, hot-dip and organic-coated sheet steels
Durability of adhesive joints
Surface treatment and characteristics of coated steels

COMMENTS

R. M. Willison and E. D. Melcher also direct research

INSTITUTION NAME AND ADDRESS

Record number 42
Date of record: June 1988

General Electric Company
Nuclear Energy Div., Plant Matls. & Exptl.Mechs.
175 Curtner Avenue, M/C 751
San Jose, California 95125
U.S.A.

Tel:

DIRECTOR OF RESEARCH

J. N. Kass

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Power generation industry
Corrosive wear
Stress corrosion cracking
Corrosion fatigue
High temperature electrochemistry

RESEARCH DETAILS

Mechanistic studies of general corrosion, stress corrosion, corrosion fatigue and wear/corrosion in nuclear power systems
Materials/loading/environment interactions
Water chemistry effects in corrosion in nuclear power systems

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 43
Date of record:June 1988

Monsanto Chemical Company

800 N. Lindbergh Boulevard
St. Louis, Missouri 63167
U.S.A.

Tel: (314) 694 1000

DIRECTOR OF RESEARCH

R. B. Puyear

KEY PERSONNEL

D. C. Silverman, R. S. Humphrey, J. E. Carrico and G. L. Dinkelkamp

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Chemical and petroleum industry
A.C. impedance
Localised corrosion

RESEARCH DETAILS

(a) Use of AC impedance measurements to evaluate the corrosion behaviour of metals and alloys in chemical process fluids
(b) Improved test methods for evaluating the effects of chemical process fluids on nonmetallic materials (e.g. elastomers and plastics)
(c) Improved test methods for evaluating velocity effects on corrosion behaviour (using a rotating cylinder)
(d) Electrochemical noise for detecting local corrosion (e.g. pitting and crevice corrosion)
N.B. Items (a) to (c) are now in routine use in the company's laboratory

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 44
Date of record:June 1988

University of Oklahoma
Chemical Engineering and Materials Science
100 East Boyd, Room F339
Norman, Oklahoma 73019
U.S.A.

Tel: (405) 325 5811

DIRECTOR OF RESEARCH

Prof. R. D. Daniels

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Stress corrosion cracking

RESEARCH DETAILS

Failure analysis of aircraft components wherein corrosion is a factor in the failure process
Stress corrosion cracking studies of a high strength steel in corrosion product residues
Corrosion of electroless nickel

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 45
Date of record:June 1988

Naval Research Laboratory
Environmental Effects Branch, Code 6310

Washington, D.C. 20375
U.S.A.

Tel: (202) 767 6380

DIRECTOR OF RESEARCH

T. W. Crooker

KEY PERSONNEL

D. A. Meyn and E. McCafferty, 11 professionals

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
New materials for corrosion
Marine corrosion
Hydrogen permeation and embrittlement
Liquid metal corrosion and embrittlement
Stress corrosion cracking
Corrosion fatigue
Localised corrosion
Passivity

RESEARCH DETAILS

Improving corrosion resistance by laser treatment, laser surface alloying and ion implantation
Studies of passivity
Solid metal embrittlement
Crack propagation mechanisms
Crevice corrosion and pitting in seawater
Seawater corrosion prediction by electrochemical techniques

Advanced techniques for failure analysis

COMMENTS

The laboratory has a marine corrosion laboratory at Key West, Florida

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INSTITUTION NAME AND ADDRESS

Record number 46
Date of record:June 1988

Haynes International, Incorporated

1020 West Park Avenue, P.O. Box 9013
Kokomo, Indiana 46902
U.S.A.

Tel: (317) 456 6000

DIRECTOR OF RESEARCH

Dr. H. J. Klein

KEY PERSONNEL

Drs. D. W. Klarstrom, N. Sridhar and G. Y. Lai

MAJOR AREAS OF RESEARCH

New materials for corrosion
Hot corrosion
Stress corrosion cracking
Corrosion fatigue
Localised corrosion
Aqueous corrosion

RESEARCH DETAILS

Nickel, cobalt-base alloy development
Sulphide stress cracking of alloys as related to sour gas
applications
Metallurgy and corrosion properties of duplex stainless steels
Corrosion processes in flue gas desulphurization systems
Corrosion fatigue and localized corrosion of clad product forms
Sulphidation, oxidation, chlorination, molten salt corrosion
Electrochemistry
Galvanic corrosion

COMMENTS

Dr. Klarstrom is Manager, New Products
Dr. N. Sridhar is Group Leader, Corrosion
Dr. G. Y. Lai is Group Leader, High Temperature

INSTITUTION NAME AND ADDRESS

Record number 47

Date of record:June 1988

University of Connecticut
School of Engineering, Metallurgy, U-136, Room 111
97 North Eagleville Road
Storrs, Connecticut 06268
U.S.A.

Tel: (203) 486 4620

DIRECTOR OF RESEARCH

Prof. O. F. Devereux

KEY PERSONNEL

Prof. N. D. Greene

MAJOR AREAS OF RESEARCH

Fundamental aspects
Inhibitors
Coatings
Batteries and fuel cells
Aqueous corrosion
Research techniques

RESEARCH DETAILS

Computer modelling and statistical analysis od electrochemical data
Evaluation of corrosion inhibition
Corrosion resistance of paint films
Anode studies in battery systems
Copper/tin galvanic behaviour
Automation of electrochemical experiments

COMMENTS

Prof. N. D. Greene also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 48
Date of record:June 1988

AT&T Bell Laboratories

Murray Hill, New Jersey 07974
U.S.A.

Tel:

DIRECTOR OF RESEARCH

Dr. R. P. Frankenthal

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Electronics industry

RESEARCH DETAILS

Corrosion of electronic materials
Oxidation of electronic materials
General corrosion research

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 49
Date of record: June 1988

AT&T Bell Laboratories

6200 East Broad Street
Columbus, Ohio 43213
U.S.A.

Tel:

DIRECTOR OF RESEARCH

Dr. M. Antler

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Electronics industry

RESEARCH DETAILS

Corrosion and degradation of electrical contacts and connectors

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 50
Date of record: June 1988

AT&T Bell Laboratories

2000 Northeast Expressway
Norcross, Georgia 30071
U.S.A.

Tel:

DIRECTOR OF RESEARCH

J.J. Blee

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Electronics industry

RESEARCH DETAILS

Corrosion of outside plant materials and devices

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 51
Date of record:June 1988

Energy, Mines and Resources Canada
Physical Metallurgy Research Laboratories, CANMET
568 Booth Street
Ottawa, Ontario K1A 0G1
Canada

Tel:

DIRECTOR OF RESEARCH

Dr. R. W. Revie

KEY PERSONNEL

R. J. Brigham, H. Hindam, J. B. Gilmour, G. R. Hoey, A. Lui, V. Mitrovic-Scepanovic and V. S. Sastri

MAJOR AREAS OF RESEARCH

Inhibitors
Marine corrosion
Hot corrosion
Environmental cracking
Corrosion of composites and metalloids

RESEARCH DETAILS

Corrosion, stepwise cracking and sulphide stress cracking of pipeline steels
Oxidation/sulphidation in energy conversion systems
Marine corrosion of welded ship-plate steels
Corrosion inhibition
Corrosion of advanced materials - rapidly solidified materials, laser-processed materials

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 52
Date of record:June 1988

Lehigh University
Chemistry, Sinclair Laboratory #7

Bethlehem, Pennsylvania 18015
U.S.A.

Tel: (215) 861 3569

DIRECTOR OF RESEARCH

Prof. H. Leidheiser, Jr.

KEY PERSONNEL

R. D. Granata and M. L. White

MAJOR AREAS OF RESEARCH

Fundamental aspects
New materials for corrosion
Coatings

RESEARCH DETAILS

Corrosion inhibitors for coatings
Corrosion beneath coatings
Stress in metal electrodeposits
Corrosion protection by ion implantation
Organic coatings for corrosion control
Impedance studies for organic coatings as related to corrosion
Chemistry of the organic coating/metal interface
Water in organic coatings
Moessbauer studies of corrosion processes
Mechanism of inhibitor action
Surface modification to corrosion control
Nature of ions in coatings
Morphology of coatings
Positron annihilation in coatings

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 53
Date of record:June 1988

Olin Corporation
Metal Research Laboratories
91 Shelton Avenue
New Haven, Connecticut 06511
U.S.A.

Tel:

DIRECTOR OF RESEARCH

Dr. D. E. Tyler

KEY PERSONNEL

Dr. N. E. Polan, L. Lin and A. Parthasarathi

MAJOR AREAS OF RESEARCH

Chemical and petroleum industry
Stress corrosion cracking

RESEARCH DETAILS

Corrosion and stress corrosion of copper alloys
Corrosion of various metals in the chemical

process and pulp paper industries

COMMENTS

Dr. D. E. Tyler is Vice-President
Dr. N. E. Polan is Manager, Electrochemical Process Development

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INSTITUTION NAME AND ADDRESS	Record number 54
	Date of record: June 1988

Department of the Navy
Naval Air Development Center

Warminster, Pennsylvania 18974
U.S.A.

Tel:

DIRECTOR OF RESEARCH

Dr. J. J. De Luccia

KEY PERSONNEL

Drs. V. S. Agarwala, R. Paciej and P. Kennedy, B. Boodey and A. Conte

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Inhibitors
Marine corrosion
Corrosive wear
Hydrogen permeation and embrittlement
Stress corrosion cracking
Corrosion fatigue

RESEARCH DETAILS

Study of interactions of environment and stress on high strength materials used in naval structural and propulsion systems,
including:
Hydrogen embrittlement
Stress corrosion cracking
Corrosion fatigue
Corrosion inhibitors
Corrosion test methods
Products and procedures for corrosion control
Corrosion and wear
Fretting and wear control

COMMENTS

Dr. V. S. Agarwala also directs corrosion research

INSTITUTION NAME AND ADDRESS	Record number 55
	Date of record: June 1988

State University of New York at Buffalo

Chemical Engineering
Clifford C. Furnas Hall
Buffalo, New York 14260
U.S.A.

Tel: (716) 636 2913

DIRECTOR OF RESEARCH

Prof. R. J. Good

KEY PERSONNEL

Prof. J. A. Gardella

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Passivity

RESEARCH DETAILS

COMMENTS

Prof. J. A. Gardella also directs research in the Chemistry department

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INSTITUTION NAME AND ADDRESS

Record number 56
Date of record:June 1988

LaQue Center for Corrosion Technology, Inc.

P.O. Box 656
Wrightsville Beach, North Carolina 28480
U.S.A.

Tel: (919) 256 2271

DIRECTOR OF RESEARCH

W. W. Kirk

KEY PERSONNEL

E. A. Baker, R. M. Kain, D. G. Melton, K. L. Money and B. S. Phull

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Marine corrosion
Hot corrosion
Environmental cracking
Localised corrosion

RESEARCH DETAILS

Effects of marine environments on material performance

Interactions of bifouling control measures and corrosion behaviour
Crevice corrosion of stainless steels in chloride environments
Environment sensitive mechanical behaviour characteristics
Corrosion of materials in flue gas desulphurization systems
Component and full-scale equipment evaluations in corrosive environments

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 57
Date of record:June 1988

Ontario Hydro Research Division

800 Kipling Avenue
Toronto, Ontario M8Z 5S4
Canada

Tel: (416) 231 4111

DIRECTOR OF RESEARCH

Dr. P. C. Lichtenberger

KEY PERSONNEL

Dr. Paul Spekkens

MAJOR AREAS OF RESEARCH

Power generation industry

RESEARCH DETAILS

Fossil fuel fired boiler corrosion mechanisms
Nuclear steam generator alloy corrosion
Lakewater-cooled heat exchanger corrosion
Corrosion studies in support of the nuclear waste programme
Corrosion studies related to the production of heavy water
Zirconium alloy corrosion

COMMENTS

Dr. P. Spekkens also directs research

INSTITUTION NAME AND ADDRESS

Record number 58
Date of record:June 1988

National Aeronautics and Space Administration
Langley Research Center
Mail Stop 188A
Hampton, Virginia 23665
U.S.A.

Tel: (804) 865 2036

DIRECTOR OF RESEARCH

W. B. Lisagor

KEY PERSONNEL

B. A. Stein, M. S. Domack, R. K. Clark, H. A. Maahs and P. O. Ransone

MAJOR AREAS OF RESEARCH

Corrosion of composites and metalloids
Stress corrosion cracking

RESEARCH DETAILS

Corrosion research primarily focussed on stress corrosion cracking of high strength aerospace structural metallics
Oxidation research focussed on characterization of titanium and superalloy foils and advanced carbon-carbon composites for space transportation system application

COMMENTS

Corrosion: W. B. Lisagor, M. S. Domack
Oxidation of metals: W. B. Lisagor, R. K. Clark
Oxidation of carbon-carbon composites: B. A. Stein, H. A. Maahs, P. O. Ransone

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INSTITUTION NAME AND ADDRESS

Record number 59
Date of record:June 1988

University of Nevada-Reno
Chemical and Metallurgical Engineering

Reno, Nevada 89557
U.S.A.

Tel:

DIRECTOR OF RESEARCH

D. A. Jones

KEY PERSONNEL

D. Chandra and M. Whitbeck

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
Coatings
Atmospheric corrosion
Soil corrosion
Power generation industry

Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 60
Date of record: June 1988

University of Nebraska-Lincoln
Mechanical Engineering
255 Walter Scott Engineering Center
Lincoln, Nebraska 68588
U.S.A.

Tel: (402) 472 3088

DIRECTOR OF RESEARCH

D. L. Johnson

KEY PERSONNEL

W. N. Weins

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Coatings
Soil corrosion
Power generation industry
Potable and cooling water systems
Hydrogen permeation and embrittlement

RESEARCH DETAILS

Hydrogen permeation - cathodic charging effects, gas phase charging effects

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 61
Date of record: June 1988

University of Pittsburgh
Materials Science and Engineering
848 Benedum Hall
Pittsburgh, Pennsylvania 15621
U.S.A.

Tel: (412) 624 5300

DIRECTOR OF RESEARCH

Prof. F. S. Pettit

KEY PERSONNEL

Profs. N. Birks, G. H. Meier, R. A. Stoehr, Dr. E. A. Gulbransen

MAJOR AREAS OF RESEARCH

Coatings
High temperature
Hot corrosion
Erosion/corrosion
Aqueous corrosion

RESEARCH DETAILS

Alloy oxidation
Hot corrosion of alloys
Erosion-corrosion of alloys
Hot corrosion of ceramics
Oxide scale adherence
Degradation of alloys in mixed gases
Coatings fabrication and degradation
Aqueous corrosion of copper alloys
Autoignition of finely particulate and porous metals

COMMENTS

Profs. N. Birks, G. H. Meier and R. A. Stoehr also direct corrosion research

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INSTITUTION NAME AND ADDRESS

Record number 62
Date of record: June 1988

Clemson University
Mechanical Engineering
319 Riggs Hall
Clemson, South Carolina 29631
U.S.A.

Tel: (803) 656 3291

DIRECTOR OF RESEARCH

Dr. J. A. Wolf

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
High temperature
Hot corrosion
Power generation industry
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS Record number 63
Date of record: June 1988

Massachusetts Institute of Technology
Nuclear Engineering
77 Massachusetts Avenue
Cambridge, Massachusetts 02139
U.S.A.

Tel:

DIRECTOR OF RESEARCH

Dr. R. G. Ballinger

KEY PERSONNEL

Prof. R. M. Latanision, 25 graduate students

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
High temperature
Hot corrosion
Chemical and petroleum industry
Power generation industry
Electronics industry
Environmental cracking
Research techniques

RESEARCH DETAILS

COMMENTS

Prof. R. M. Latanision also directs research

INSTITUTION NAME AND ADDRESS Record number 64
Date of record: June 1988

Atomic Energy of Canada Limited
Chalk River Nuclear Laboratories
Advanced Materials Research Branch
Chalk River, Ontario K0J 1J0
Canada

Tel:

DIRECTOR OF RESEARCH

Dr. B. Cox

KEY PERSONNEL

S. R. MacEwen, R. A. Ploc and N. Ramasubramanian

MAJOR AREAS OF RESEARCH

High temperature
Stress corrosion cracking

RESEARCH DETAILS

Environmental degradation of zirconium alloys:
(a) oxidation, corrosion and hydrogen uptake in high temperature, water, steam and gases
(b) stress corrosion cracking by fission products

COMMENTS

S. R. MacEwen also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 65
Date of record:June 1988

University of Minnesota
Chemical Engineering and Materials Science
151 Amundson Hall, 421 Washington Avenue S.E.
Minneapolis, Minnesota 55455
U.S.A.

Tel: (612) 373 4864

DIRECTOR OF RESEARCH

Prof. R. A. Oriani

KEY PERSONNEL

Profs. W. H. Smyrl and D. A. Shores, H. S. White
Adjunct Prof. B. B. Owens

MAJOR AREAS OF RESEARCH

Fundamental aspects
Coatings
Hot corrosion
Batteries and fuel cells
Passivity

RESEARCH DETAILS

Formation and breakdown of passivation
Theory of electron transfer at interfaces
Corrosion protection by conductive high polymers
Protection of metals against high temperature mixed oxidizing gases

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 66
Date of record:June 1988

University of Utah
Metallurgy and Metallurgical Engineering
412 William C. Browning Building

Salt Lake City, Utah 84112
U.S.A.

Tel: (801) 581 5157

DIRECTOR OF RESEARCH

C. H. Pitt

KEY PERSONNEL

Prof. M. E. Wadsworth

MAJOR AREAS OF RESEARCH

Fundamental aspects
Corrosive wear

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 67
Date of record:June 1988

University of Illinois
Chemical Engineering
113 Adams Laboratory, 1209 W. California
Urbana, Illinois 61801
U.S.A.

Tel: (217) 333 4985

DIRECTOR OF RESEARCH

Prof. R. C. Alkire

KEY PERSONNEL

M. Feldman, J. Harb, S. Lott, K. Wong and Y. Huang

MAJOR AREAS OF RESEARCH

Fundamental aspects
Cathodic/anodic protection
Inhibitors
Marine corrosion
Chemical and petroleum industry
Electronics industry
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 68
Date of record: June 1988

Department of the Navy
David Taylor Naval Ship Research & Development Ctr
Code 2813
Annapolis, Maryland 21402
U.S.A.

Tel: (301) 267 2843

DIRECTOR OF RESEARCH

A. G. S. Morton

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Cathodic/anodic protection
Coatings
Marine corrosion
High temperature
Localised corrosion
Research techniques

RESEARCH DETAILS

Material characteristics in marine environments
Corrosion control measures - cathodic protection and thermal spray coatings
Electrochemical impedance spectroscopy and other techniques for corrosion measurement and prediction
High temperature corrosion of gas turbine materials
Crevice and galvanic corrosion prediction

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 69
Date of record: June 1988

Corrosion Testing Laboratories, Inc.

70 South Chapel Street, Suite 16
Newark, Delaware 19711
U.S.A.

Tel: (302) 366 8835

DIRECTOR OF RESEARCH

R. A. Corbett

KEY PERSONNEL

Drs. M. A. Corbett and B. J. Saldanha, W. S. Morrison and T. F. Degnan

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Soil corrosion
Marine corrosion
High temperature
Hot corrosion
Chemical and petroleum industry
Power generation industry
Electronics industry
Potable and cooling water systems
Research techniques

RESEARCH DETAILS

Acceptance testing of alloys for construction (i.e. intergranular corrosion susceptibility for new alloys)

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 70
Date of record:June 1988

University of California
Materials Science and Mineral Engineering
Hearst Mining Building
Berkeley, California 94720
U.S.A.

Tel: (415) 642 3801

DIRECTOR OF RESEARCH

Prof. T. A. Devine

KEY PERSONNEL

C. Kumai, J. Gui, F. Chen, S. Borenstein, H. Menendez, T. Seuzawa and A. Tang

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Atmospheric corrosion
Marine corrosion
Chemical and petroleum industry
Power generation industry
Research techniques

RESEARCH DETAILS

Alloy development for corrosion resistance

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 71
Date of record:June 1988

Rockwell International Science Center

1049 Camino Dos Rios
Thousand Oaks,, California 91360
U.S.A.

Tel:

DIRECTOR OF RESEARCH

Dr. J. B. Lumsden

KEY PERSONNEL

Drs. M. W. Kendig and D. Raleigh

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Inhibitors
Coatings
Atmospheric corrosion
High temperature
Hot corrosion
Stress corrosion cracking
Localised corrosion
Passivity

RESEARCH DETAILS

Electrochemical kinetics
Corrosion monitoring
Corrosion inhibition
Protective coatings
High temperature corrosion phenomena
Molten salt corrosion

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 72
Date of record:June 1988

National Bureau of Standards
Metallurgy Division, Corrosion Group

Gaithersburg, Maryland 20899
U.S.A.

Tel:

DIRECTOR OF RESEARCH

Dr. A. W. Ruff

KEY PERSONNEL

Drs. U. Bertocci, C. Interrante, D. Hall and D. Ricker,
D. Anderson and E. Escalante

MAJOR AREAS OF RESEARCH

Atmospheric corrosion
Environmental cracking
Hydrogen permeation and embrittlement
Passivity
Aqueous corrosion

RESEARCH DETAILS

Environmentally sensitive fracture
Hydrogen effects on alloys
Electrochemistry of corrosion processes
Corrosion in natural environments
Corrosion data

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 73
Date of record:June 1988

Battelle Pacific Northwest Laboratories

P.O. Box 999
Richland, Washington 99352
U.S.A.

Tel: (509) 375 2375

DIRECTOR OF RESEARCH

Dr. J. R. Divine

KEY PERSONNEL

J. T. Prater, R. H. Jones, D. R. Baer, R. E. Westerman, J. H. Haberman, S. G. Pitman, K. C. Rhoads, M. J. Danielson, O. H. Koski, D. B. Mackey, R. L. McDowell, K. H. Pool, R. P. Allen, T. E. Divine, R. P. Elmore, F. S. Gerber, T. A. Golding, C. H. Kindle, P. L. Koehmstedt, M. Lewis, D. D. Pierce, D. M. Squier, M. R. Telander, R. B. Watson and K. R. Wheeler

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
Soil corrosion
Marine corrosion
High temperature
Hot corrosion
Chemical and petroleum industry

Power generation industry
Electronics industry
Potable and cooling water systems
Erosion/corrosion
Research techniques

RESEARCH DETAILS

Corrosion in a nuclear environment

COMMENTS

Group Leaders: J. T. Prater, R. H. Jones, R. E. Westerman and R. P. Allen

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INSTITUTION NAME AND ADDRESS

Record number 74
Date of record:June 1988

University of Hawaii at Manoa
Mechanical Engineering
2540 Dole Street
Honolulu, Hawaii 96822
U.S.A.

Tel: (808) 948 7167

DIRECTOR OF RESEARCH

B. E. Liebert

KEY PERSONNEL

S. Jain, F. Syed and S. Qazi

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Atmospheric corrosion
Marine corrosion
Power generation industry
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 75
Date of record:June 1988

Institut de recherche d'Hydro-Quebec (IREQ)

Case postale 1000
Varennes, Quebec J0L 2P0
Canada

Tel:

DIRECTOR OF RESEARCH

Dr. L. Brossard

KEY PERSONNEL

R. Roberge, P. Nguyen-Duy and F. Morin

MAJOR AREAS OF RESEARCH

Fundamental aspects
Inhibitors
Soil corrosion
High temperature
Hot corrosion
Power generation industry
Stress corrosion cracking
Localised corrosion

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 76
Date of record:June 1988

University of South Florida
Civil Engineering & Mechanics
College of Engineering
Tampa, Florida 33620
U.S.A.

Tel: (813) 974 2581

DIRECTOR OF RESEARCH

A. A. Sagues

KEY PERSONNEL

A. Zayed

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Coatings
Soil corrosion
Marine corrosion
Electronics industry
Corrosion in concrete

RESEARCH DETAILS

Corrosion of reinforcing steel in concrete

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 77
Date of record:June 1988

Michigan State University
Metallurgy, Mechanics & Materials Science

East Lansing, Michigan 48824
U.S.A.

Tel:

DIRECTOR OF RESEARCH

R. Summitt

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Inhibitors
Atmospheric corrosion

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 78
Date of record:June 1988

California Polytechnic State University
Metallurgical Engineering

San Luis Obispo, California 93407
U.S.A.

Tel: (805) 546 2568

DIRECTOR OF RESEARCH

R. Heidersbach

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Cathodic/anodic protection
Coatings
Atmospheric corrosion
Corrosion in concrete
Hydrogen permeation and embrittlement
Passivity
Research techniques

RESEARCH DETAILS

Raman and infrared spectra of passive films

Weathering steels
Metallic coatings
Corrosion of metals in concrete
Cathodic protection

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 79
Date of record:June 1988

Clarkson University
Chemical Engineering
Institute of Colloid and Surface Science
Potsdam, New York 13676
U.S.A.

Tel:

DIRECTOR OF RESEARCH

Prof. D.-T. Chin

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Fundamental aspects
Passivity
Aqueous corrosion

RESEARCH DETAILS

Corrosion by alternating current
Mechanism of the formation and breakdown of passive films
Corrosion in the transpassive potential regime
Mathematical medelling of the corrosion processes
Corrosion in concentrated alkaline envoronments

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 80
Date of record:June 1988

AT&T Bell Laboratories

600 Mountain Avenue
Murray Hill, New Jersey 07974
U.S.A.

Tel: (201) 582 3000

DIRECTOR OF RESEARCH

Dr. J.D. Sinclair

KEY PERSONNEL

R. B. Comizzoli, R. L. Opila, H. H. Law, G. R. Crane,
A. J. Muller, K. Hanson, C. A. Holden and T. A. Palumbo

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Coatings
Atmospheric corrosion
Electronics industry
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 81
Date of record:June 1988

National Research Council of Canada
Metallic Corrosion and Oxidation Section
Division of Chemistry
Ottawa, Ontario K1A 0R9
Canada

Tel: (613) 993 3548

DIRECTOR OF RESEARCH

Dr. M. J. Graham

KEY PERSONNEL

Drs. J. A. Bardwell, R. J. Hussey, B. MacDougall, D. F. Mitchell, J. I. Eldridge and P. Papaiacovou, J. R. Phillips, G. I. Sproule and P. T. Robinson

MAJOR AREAS OF RESEARCH

Fundamental aspects
High temperature
Passivity
Research techniques

RESEARCH DETAILS

Electrochemistry - formation and breakdown of passive films
Surface-analytical techniques
Oxidation of metals and alloys

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 82
Date of record:June 1988

Alcan International Ltd.

P.O. Box 8400
Kingston, Ontario K7L 4Z4
Canada

Tel: (613) 549 4500

DIRECTOR OF RESEARCH

Dr. D. Goad

KEY PERSONNEL

Dr. F. Smith, D. Doyle

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Atmospheric corrosion
Soil corrosion
Marine corrosion
Chemical and petroleum industry
Potable and cooling water systems
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Westvaco Corporation
Laurel Research Center
11101 Johns Hopkins Road
Laurel, Maryland 20707
U.S.A.

Record number 83
Date of record:June 1988

Tel:

DIRECTOR OF RESEARCH

W. B. A. Sharpe

KEY PERSONNEL

Ms. P. A. Burke, Drs. L. Falat and M. A. Lunn

MAJOR AREAS OF RESEARCH

Atmospheric corrosion
Chemical and petroleum industry
Electronics industry

RESEARCH DETAILS

Atmospheric corrosion of computer materials

Corrosion in acid chloride pulp bleaching solutions
Dew point corrosion in boiler precipitator environments

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 84
Date of record:June 1988

The Institute of Paper Chemistry

1043 East South River Street, P.O. Box 1039
Appleton, Wisconsin 54912
U.S.A.

Tel: (414) 738 3266

DIRECTOR OF RESEARCH

Dr. R. A. Yeske

KEY PERSONNEL

Dr. D. Crowe

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Cathodic/anodic protection
Coatings
Atmospheric corrosion
High temperature
Hot corrosion
Chemical and petroleum industry

RESEARCH DETAILS

Pulp and paper industry problems

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 85
Date of record:June 1988

Cornell University
Structural Engineering

Ithaca, New York 14853
U.S.A.

Tel:

DIRECTOR OF RESEARCH

Dr. K. C. Hover

KEY PERSONNEL

N. C. Kumar

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Cathodic/anodic protection
Corrosion in concrete

RESEARCH DETAILS

Corrosion of metals in concrete

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 86
Date of record: June 1988

University of Kansas
School of Engineering
4010 Learned Hall
Lawrence, Kansas 66045
U.S.A.

Tel:

DIRECTOR OF RESEARCH

Prof. C. E. Locke

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Fundamental aspects
Cathodic/anodic protection
Corrosion in concrete

RESEARCH DETAILS

Corrosion of steel in concrete

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 87
Date of record: June 1988

University of Southwestern Louisiana
Chemical Engineering and Chemistry
Corrosion Research Center, P.O. Box 44130
Lafayette, Louisiana 70504
U.S.A.

Tel:

DIRECTOR OF RESEARCH

Dr. J. D. Garber

KEY PERSONNEL

Drs. R. Braun, J. R. Reinhardt and R. Perkins, C. S. Fang

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Inhibitors
Coatings
Soil corrosion
Chemical and petroleum industry
Research techniques

RESEARCH DETAILS

Oil and gas industry

COMMENTS

Dr. R. Braun also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 88
Date of record:June 1988

University of Southern California
Materials Science
VHE 714, Corrosion & Environmental Effects Labs.
Los Angeles, California 90089
U.S.A.

Tel: (213) 743 6424

DIRECTOR OF RESEARCH

Dr. F. Mansfeld

KEY PERSONNEL

Drs. H. Shih and S. Kim

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Inhibitors
Coatings
Atmospheric corrosion
Passivity
Aqueous corrosion

RESEARCH DETAILS

Corrosion protection and control
Electrochemical kinetics
Protective coatings

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 89
Date of record:June 1988

University of Tennessee
Materials Science and Engineering
435 Dougherty Engineering Building
Knoxville, Tennessee 37996
U.S.A.

Tel:

DIRECTOR OF RESEARCH

R. A. Buchanan

KEY PERSONNEL

E. E. Stansbury, J. C. Danko and D. C. White

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Coatings
Power generation industry
Potable and cooling water systems
Medical and dental applications
Research techniques

RESEARCH DETAILS

Surgical implant corrosion

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 90
Date of record:June 1988

Battelle Memorial Institute
Columbus Division
505 King Avenue
Columbus, Ohio 43201
U.S.A.

Tel: (614) 424 6424

DIRECTOR OF RESEARCH

Dr. G. Koch

KEY PERSONNEL

W. H. Abbott, A. K. Agrawal, W. E. Berry, E. W. Brooman T. K. Christman, J. A. Colwell, G. O. Davis, M. K. Han, B. Hindin, G. H. Koch, C. J. Martin, S. P. Pednekar, H. S. Rosenberg, W. N. Stiegelmeyer, J. T. Stropki, L. A. Vaaler, D. G. Vutetakis and I. G. Wright

MAJOR AREAS OF RESEARCH

Fundamental aspects

Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
Soil corrosion
Marine corrosion
High temperature
Hot corrosion
Chemical and petroleum industry
Power generation industry
Electronics industry
Potable and cooling water systems
Erosion/corrosion
Research techniques

RESEARCH DETAILS

Corrosion in a nuclear environment

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 91

Date of record:June 1988

University of Rhode Island
Chemical Engineering

Kingston, Rhode Island 02881
U.S.A.

Tel:

DIRECTOR OF RESEARCH

Dr. R. Brown

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Inhibitors
Coatings
Marine corrosion
Potable and cooling water systems
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 92

Date of record:June 1988

University of Florida
Materials Science and Engineering
Center for Applied Thermodynamics and Corrosion
Gainesville, Florida 32611
U.S.A.

Tel:

DIRECTOR OF RESEARCH

Prof. E. D. Verink, Jr.

KEY PERSONNEL

Profs. J. R. Ambrose, D. E. Clark, R. E. Hummel, P. H. Holloway, R. G. Connell, Jr., E. D. Whitney and G. M. Schmid, S. D. Bates (associate engineer)

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Inhibitors
Marine corrosion
High temperature
Chemical and petroleum industry
Power generation industry
Potable and cooling water systems
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 93
Date of record:June 1988

Lawrence Livermore National Laboratory

P.O. Box 808
Livermore, California 94550
U.S.A.

Tel:

DIRECTOR OF RESEARCH

Dr. R. D. McCright

KEY PERSONNEL

C. Colmenares, R. Glass, W. Halsey, M. Juhas, R. Musket, W. Siekhaus, R. Van Konynenburg, H. Weiss and C. Witherall

MAJOR AREAS OF RESEARCH

High temperature
Liquid metal corrosion and embrittlement
Aqueous corrosion

Research techniques

RESEARCH DETAILS

Corrosion/oxidation of stainless steels,
nickel-base alloys and copper-base alloys for
long-term nuclear waste containment
Surface modification by ion implantation, ion beam
mixing and laser glazing for improved corrosion
resistance
Compatibility of different metallic materials in
nuclear weapons systems
Use of advanced surface analytical techniques for
examining corroding surfaces
Development of microelectrodes to measure
corrosion potentials in restricted geometries
Corrosion attack by liquid metals and preventative
measures to retard the attack
Radiation-chemical effects on corrosion

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 94
Date of record:June 1988

Louisiana State University
Mechanical Engineering

Baton Rouge, Louisiana 70803
U.S.A.

Tel:

DIRECTOR OF RESEARCH

Prof. A. Raman

KEY PERSONNEL

Prof. S. Meletis, K. Lian, S. Nasrazadani, M. Vaingankar
A. Banerjee and V. Deshmukh

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
Marine corrosion
High temperature
Chemical and petroleum industry
Corrosive wear
Aqueous corrosion
Research techniques

RESEARCH DETAILS

Electrochemical aspects of corrosion

Effects of corrosion on wear

COMMENTS

Prof. S. Meletis also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 95
Date of record: June 1988

University of Illinois at Chicago
Civil Engineering, Mechanics and Metallurgy
College of Engineering, Box 4348
Chicago, Illinois 60680
U.S.A.

Tel:

DIRECTOR OF RESEARCH

S. Danyluk

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Fundamental aspects
High temperature
Localised corrosion
Aqueous corrosion
Research techniques

RESEARCH DETAILS

Aqueous corrosion - determination of standards
Pitting corrosion

COMMENTS

M. McNallan also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 96
Date of record: June 1988

University of Michigan
Nuclear Engineering
271A Cooley Building, North Campus
Ann Arbor, Michigan 48109
U.S.A.

Tel:

DIRECTOR OF RESEARCH

G. S. Was

KEY PERSONNEL

V. B. Rajan, D. Crawford, D.-S. Choi and J. T. Kim

MAJOR AREAS OF RESEARCH

Fundamental aspects
New materials for corrosion
High temperature
Power generation industry
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS	Record number 97
	Date of record:June 1988

University of Windsor
Engineering Materials

Windsor, Ontario N9B 3P4
Canada

Tel:

DIRECTOR OF RESEARCH

Dr. D. F. Watt

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Stress corrosion cracking
Corrosion fatigue

RESEARCH DETAILS

Static fatigue of ceramics
Corrosion fatigue of metals

COMMENTS

INSTITUTION NAME AND ADDRESS	Record number 98
	Date of record:June 1988

Instituto Mexicano del Petroleo
Division de Corrosion
Av. Lazaro Cardenas
Mexico D.F.,
Mexico

Tel:

DIRECTOR OF RESEARCH

M. F. Guerrero

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

- Cathodic/anodic protection
- New materials for corrosion
- Inhibitors
- Coatings
- Soil corrosion
- Marine corrosion
- Chemical and petroleum industry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 99
Date of record:June 1988

National University of Mexico
Metallurgy, Corrosion Laboratory

Mexico D.F., 04510
Mexico

Tel:

DIRECTOR OF RESEARCH

J. Avila-Mendoza

KEY PERSONNEL

J. Uruchurtu, O. Yague, A. Martinez-Villafane, J. M. Malo, M. Romero and F. Reyes-Carmona

MAJOR AREAS OF RESEARCH

- Fundamental aspects
- Testing, detection and monitoring
- Cathodic/anodic protection
- New materials for corrosion
- Inhibitors
- Coatings
- Atmospheric corrosion
- Soil corrosion
- Marine corrosion
- High temperature
- Chemical and petroleum industry
- Power generation industry
- Electronics industry
- Potable and cooling water systems
- Research techniques

RESEARCH DETAILS

COMMENTS

J. Genesca-Llongueras also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 100
Date of record:June 1988

SRI International
Materials Research Laboratory
333 Ravenswood Avenue
Menlo Park, California 94025
U.S.A.

Tel: (415) 326 6200

DIRECTOR OF RESEARCH

Dr. M. C. H. McKubre

KEY PERSONNEL

Drs. A. Sanjurjo, K. M. Sancier, S. I. Smedley, B. G. Pound and F. L. Tanzella, S. C. Leach

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Coatings
Electronics industry
Batteries and fuel cells
Stress corrosion cracking
A.C. impedance
Research techniques

RESEARCH DETAILS

Membranes

COMMENTS

Dr. A. Sanjurjo also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 101
Date of record:June 1988

Chalk River Nuclear Laboratories
System Chemistry and Materials Branch

Chalk River, Ontario K0J 1J0
Canada

Tel:

DIRECTOR OF RESEARCH

G. F. Taylor

KEY PERSONNEL

R. L. Tapping, V. F. Urbanic, T. S. Gendron, I. Aitchison, D. H. Lister and R. A. Sperznzini

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
High temperature
Chemical and petroleum industry
Power generation industry
Erosion/corrosion
Hydrogen permeation and embrittlement
Stress corrosion cracking
Localised corrosion
Aqueous corrosion

RESEARCH DETAILS

Aqueous corrosion of reactor materials
- Pitting corrosion; stress corrosion cracking, intergranular attack, crevice corrosion and galvanic effects
- Measurement of corrosion rates, characterization of surfaces, release of corrosion products, absorption and permeation of hydrogen (hydriding)
- Heat exchanger corrosion and fouling
- Surface modification for corrosion control
- Corrosion and decontamination/chemical cleaning

Non-nuclear corrosion programs
- Corrosion in waste incinerators (500 - 1000C)
- Sour oil/gas corrosion of steels
- Industrial corrosion consulting and testing/materials analysis

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 102
Date of record:June 1988

Rensselaer Polytechnic Institute
Materials Engineering Department

Troy, New York 12181
U.S.A.

Tel:

DIRECTOR OF RESEARCH

Dr. D. Duquette

KEY PERSONNEL

1 - 2 Post-doctoral fellows, 6 - 8 Ph.D. candidates

MAJOR AREAS OF RESEARCH

Fundamental aspects
High temperature
Hot corrosion
Chemical and petroleum industry
Power generation industry
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 103
Date of record:June 1988

Tecnologia Galvanica, S.A. de C.V.

Paseo de la Reforma 403, Suite 1202, C.P. 06500
Mexico, D.F.,
Mexico

Tel:

DIRECTOR OF RESEARCH

M. G. L. Buisan

KEY PERSONNEL

J. A. Diaz, L. M. G. Cavazos, E. M. Cuzange and R. G. Cavazos

MAJOR AREAS OF RESEARCH

Fundamental aspects
Cathodic/anodic protection
Chemical and petroleum industry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 104
Date of record:June 1988

Nissin Steel Co. Ltd.
Shunan R & D Laboratories, Corrosion & Protection Laboratory
P. O. 746, 4976 Tonda
Shin-Nanyo City, Yamaguchi Prefecture
Japan

Tel:

DIRECTOR OF RESEARCH

T. Yoshii

KEY PERSONNEL

T. Adachi, H. Ohashi, T. Nagoya, K. Takatsu

MAJOR AREAS OF RESEARCH

Atmospheric corrosion
Soil corrosion
Marine corrosion

Potable and cooling water systems
Localised corrosion

RESEARCH DETAILS

Localised corrosion of stainless steels in sea water, in tap water, underground and in the atmosphere

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 105
Date of record:June 1988

Nissin Steel Co. Ltd.
Hanshin R & D Laboratories, Metal Coating Laboratory - I
P. O. 592, 5 Ishizu-Nishimachi
Sakai City, Osaka Prefecture
Japan

Tel:

DIRECTOR OF RESEARCH

Dr. Y Hirose

KEY PERSONNEL

Y. Uchida, M. Koda, T. Irie and Y. Nakagawa

MAJOR AREAS OF RESEARCH

High temperature
Aqueous corrosion

RESEARCH DETAILS

High temperature oxidation and sulphidation of coated steel
Wet corrosion of coated steel

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 106
Date of record:June 1988

Nissin Steel Co. Ltd.
Ichikawa R & D Laboratories, Organic Coating Laboratory - II
P. O. 272-01, 7-1 Koya-Shinmachi
Ichikawa City, Chiba Prefecture
Japan

Tel:

DIRECTOR OF RESEARCH

K. Katayama

KEY PERSONNEL

H. Fukumoto

MAJOR AREAS OF RESEARCH

Coatings

RESEARCH DETAILS

Underfilm corrosion

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 107
Date of record:June 1988

Nissin Steel Co. Ltd.
Ichikawa R & D Laboratories, Chemical Treatment Laboratory
P. O. 272-01, 7-1 Koya-Shinmachi
Ichikawa City, Chiba Prefecture
Japan

Tel:

DIRECTOR OF RESEARCH

T. Deguchi

KEY PERSONNEL

K. Uchida

MAJOR AREAS OF RESEARCH

Coatings

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 108
Date of record:June 1988

The Tokyo Electric Power Co. Ltd.
Distribution Engineering Division, Engineering R & D Center
2-4-1 Nishi-Tsutsujigaoka
Chufa, Tokyo 182
Japan

Tel:

DIRECTOR OF RESEARCH

H. Ohnishi

KEY PERSONNEL

Y. Iwanaga and T. Higuchi

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Atmospheric corrosion

RESEARCH DETAILS

Rust prevention of electric distribution equipment (principally atmospheric corrosion testing of pole transformer and line switch)

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 109
Date of record: June 1988

The Tokyo Electric Power Co. Ltd.
Thermal Power Engineering Division, Engineering R & D Center
2-4-1 Nishi-Tsutsujigaoka
Chofa, Tokyo 182
Japan

Tel:

DIRECTOR OF RESEARCH

A. Tamao

KEY PERSONNEL

T. Funaji, M. Nomura and M. Shimojyo

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Soil corrosion
High temperature
Power generation industry
Potable and cooling water systems

RESEARCH DETAILS

Corrosion monitoring for cooling water systems
High temperature corrosion in boiler tubes for thermal power plants
Development of predictive techniques for buried piping life

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 110
Date of record: June 1988

Hokkaido University
Corrosion Research Laboratory, Faculty of Engineering
Kita-13, Nishi-8, Kita-Ku
Sapporo, 060
Japan

Tel:

DIRECTOR OF RESEARCH

N. Sato

KEY PERSONNEL

M. Seo, T. Ohtsuka and K. Azumi

MAJOR AREAS OF RESEARCH

Passivity

RESEARCH DETAILS

Passivity of metals and alloys

COMMENTS

INSTITUTION NAME AND ADDRESS　　Record number 111
Date of record:June 1988

The Tokyo Electric Power Co. Ltd.
Civil Engng. & Architecture Div., Engng. R & D Institute
2-4-1 Nishi-Tsutsujigaoka
Chofu, Tokyo 182
Japan

Tel:

DIRECTOR OF RESEARCH

Y. Yamamoto

KEY PERSONNEL

Y. Yamada, T. Sugihara and I. Michio

MAJOR AREAS OF RESEARCH

Marine corrosion

RESEARCH DETAILS

Protection methods for marine steel structures
around spray and splash zones

COMMENTS

INSTITUTION NAME AND ADDRESS　　Record number 112
Date of record:June 1988

Kobe Steel Ltd.
Research Section Mooka of Aluminum and Copper Divisions
15-Kinogaoka
Mooka City, Tochigi Prefecture 321-43
Japan

Tel:

DIRECTOR OF RESEARCH

K. Toyose

KEY PERSONNEL

H. Fujimoto and K. Hatanaka

MAJOR AREAS OF RESEARCH

New materials for corrosion

RESEARCH DETAILS

Corrosion of aluminum alloys

COMMENTS

INSTITUTION NAME AND ADDRESS　　Record number 113
Date of record:June 1988

Kobe Steel Ltd.
Research Section Chofu of Aluminum and Copper Divisions
14-1 Chofuminatomachi
Shimonoseki, 752
Japan

Tel:

DIRECTOR OF RESEARCH

M. Kaifu

KEY PERSONNEL

K. Minamoto, T. Kambayashi and S. Inagaki

MAJOR AREAS OF RESEARCH

New materials for corrosion

RESEARCH DETAILS

Corrosion of copper and copper alloys

COMMENTS

INSTITUTION NAME AND ADDRESS　　Record number 114
Date of record:June 1988

Kobe Steel Ltd.
Corrosion & Metal Finishing Res. Section, Material Dev. Center
3-18, 1-chome, Wakinohama-cho, Chuo-ku
Kobe, 651
Japan

Tel:

DIRECTOR OF RESEARCH

K. Shimogori

KEY PERSONNEL

A. Takamura, K. Fjiwara and H. Satoh

MAJOR AREAS OF RESEARCH

Inhibitors

RESEARCH DETAILS

Corrosion and corrosion control of mild steels, stainless steels, titanium, zirconium and galvanized steels

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 115
Date of record:June 1988

Sumitomo Light Metal Co. Ltd.
Technical Research Laboratory
Chitose 3-1-12, Minato-ku
Nagoya, 455
Japan

Tel:

DIRECTOR OF RESEARCH

S. Sato

KEY PERSONNEL

Z. Tanabe, K. Nagata, S. Yamauchi, M. Hagiwara and T. Atsumi

MAJOR AREAS OF RESEARCH

Localised corrosion

RESEARCH DETAILS

Corrosion of copper alloys
Pitting corrosion of aluminum alloys

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 116
Date of record:June 1988

Central Research Institute of Electric Power Industry

11-1 Iwato Kita 2-chome, Komae-Shi
Tokyo, 201

Japan

Tel:

DIRECTOR OF RESEARCH

T. Kurosawa

KEY PERSONNEL

T. Mizuno and H. Takaku

MAJOR AREAS OF RESEARCH

Environmental cracking

RESEARCH DETAILS

Environmental embrittlement of metals and alloys

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 117
Date of record:June 1988

Nippon Kinzoku Co. Ltd.
Technical R & D Laboratories
10-1 4-chome, Funato, Itabashi-ku
Tokyo, 174
Japan

Tel:

DIRECTOR OF RESEARCH

T. Yashiro

KEY PERSONNEL

T. Hitomi, T. Ogushi, N. Ohhashi, A. Kasahara and E. Osada

MAJOR AREAS OF RESEARCH

High temperature
Aqueous corrosion

RESEARCH DETAILS

Corrosion and oxidation of stainless steels

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 118
Date of record:June 1988

National Research Institute for Metals
Corrosion Division
3-12 2-chome, Nakameguro, Meguro-ku
Tokyo, 153

Japan

Tel:

DIRECTOR OF RESEARCH

K. Nii

KEY PERSONNEL

Y. Shimizu, T. Fukushima, T. Fujii, T. Ishihara and T. Kodama

MAJOR AREAS OF RESEARCH

Coatings
Atmospheric corrosion
High temperature
Power generation industry
Potable and cooling water systems
Stress corrosion cracking
Corrosion fatigue

RESEARCH DETAILS

(a) High temperature oxidation and coatings for
high temperature
use
(b) Stress corrosion cracking and corrosion
fatigue in nuclear
reactors
(c) Atmospheric corrosion and surface treatment
(d) Corrosion in fresh water and highly aggressive
media

COMMENTS

INSTITUTION NAME AND ADDRESS   Record number 119
----------------------------   Date of record:June 1988
Industrial Products Research Institute, M.I.T.I.
Surface Engineering Division
Yatabe Higashi 1-1-4, Tsukuba
Ibaraki, 305
Japan

Tel:

DIRECTOR OF RESEARCH

Y. Togawa

KEY PERSONNEL

S. Matsushita, M. Ogata, T. Okada, H. Umehara and T. Suzuki

MAJOR AREAS OF RESEARCH

Coatings
Atmospheric corrosion

RESEARCH DETAILS

Surface finishing for corrosion protection

COMMENTS

INSTITUTION NAME AND ADDRESS   Record number   120
----------------------------   Date of record:June 1988

The Japan Steel Works, Ltd.
Materials Research Laboratory, R & D Division
Chatsu-cho 4, Muroran
Hokkaido, 051
Japan

Tel: (0143) 22 9211

DIRECTOR OF RESEARCH

Dr. K. Ohnishi

KEY PERSONNEL

Y. Yoshino, R. Chiba and Y. Minozaki

MAJOR AREAS OF RESEARCH

Environmental cracking
Hydrogen permeation and embrittlement
Stress corrosion cracking
Aqueous corrosion

RESEARCH DETAILS

Sulphide stress cracking, hydrogen-induced
cracking, wet
corrosion in general

COMMENTS

INSTITUTION NAME AND ADDRESS   Record number   121
----------------------------   Date of record:June 1988

University of Osaka
Corrosion Research Laboratory, College of Engineering
4-804 Mozu-Umemachi, Sakai
Osaka, 591
Japan

Tel:

DIRECTOR OF RESEARCH

K. Yamakawa

KEY PERSONNEL

H. Tsubakino and N. Kajita

MAJOR AREAS OF RESEARCH

Hydrogen permeation and embrittlement

RESEARCH DETAILS

Hydrogen embrittlement and hydrogen attack of steels

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 122
Date of record:June 1988

Nagoya Institute of Technology
Department of Synthetic Chemistry, Electrochemical Research
Gokiso-cho, Showa-ku
Nagoya, 466
Japan

Tel:

DIRECTOR OF RESEARCH

F. Hine

KEY PERSONNEL

M. Yasuda and Y. Ogata

MAJOR AREAS OF RESEARCH

Aqueous corrosion

RESEARCH DETAILS

Corrosion behaviour of metals and alloys in concentrated alkali solutions under heat transfer conditions

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 123
Date of record:June 1988

Muroran Institute of Technology
Materials Chemistry Laboratory, Engineering Faculty
27-1 Mizumoto-cho
Muroran, 050
Japan

Tel:

DIRECTOR OF RESEARCH

H. Sugawara

KEY PERSONNEL

T. Misawa and H. Kamide

MAJOR AREAS OF RESEARCH

Stress corrosion cracking
Corrosion fatigue

RESEARCH DETAILS

Stress corrosion cracking and corrosion fatigue of metals and alloys

COMMENTS

INSTITUTION NAME AND ADDRESS　　　　　Record number 124
----------------------------　　　　　Date of record:June 1988

Chiba University
Physical Chemistry Laboratories, Department of Chemistry
Yayoicho 1-33
Chiba, 260
Japan

Tel:

DIRECTOR OF RESEARCH

K. Inouye

KEY PERSONNEL

K. Kaneko and S. Ozeki

MAJOR AREAS OF RESEARCH

Aqueous corrosion

RESEARCH DETAILS

Properties of iron oxide-hydroxides and oxides

COMMENTS

INSTITUTION NAME AND ADDRESS　　　　　Record number 125
----------------------------　　　　　Date of record:June 1988

University of Tokyo
Surface Technology Laboratory, Dept. of Materials Science
Hongo 7-3-1, Bunkyo-ku
Tokyo, 113
Japan

Tel:

DIRECTOR OF RESEARCH

N. Masuko

KEY PERSONNEL

S. Tsujikawa, I. Suzuki and T. Shinohara

MAJOR AREAS OF RESEARCH

Coatings
Stress corrosion cracking
Localised corrosion

RESEARCH DETAILS

Surface finishing

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 126
Date of record:June 1988

Toyo Kohan Co. Ltd.
Technical Research Laboratory
Higashitoyoi 1296, Kudamatsu-shi, Yamaguchi-ken
744
Japan

Tel:

DIRECTOR OF RESEARCH

Y. Kondo

KEY PERSONNEL

T. Inui, I. Onoda, T. Nemoto, K. Kanda and T. Fujimoto

MAJOR AREAS OF RESEARCH

Coatings

RESEARCH DETAILS

Tin plate, tin-free steel sheet, electro-galvanized steel sheet, vinyl-coated steel sheet

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 127
Date of record:June 1988

Nuclear Materials Division of NRIM

1-2-1 Sengen, Sakura-mura, Niihari-gun
Ibaraki, 305
Japan

Tel:

DIRECTOR OF RESEARCH

M. Okada

KEY PERSONNEL

T. Suzuki, T. Tanabe, T. Noda and T. Shikama

MAJOR AREAS OF RESEARCH

High temperature
Liquid metal corrosion and embrittlement

RESEARCH DETAILS

Corrosion of stainless steels and superalloys in high temperature gases or liquid metals

COMMENTS

INSTITUTION NAME AND ADDRESS Record number 128
---------------------------- Date of record:June 1988
First Laboratory of High Strength Materials Division of NRIM

1-2-1 Sengen, Sakura-mura, Niihari-gun
Ibaraki, 305
Japan

Tel:

DIRECTOR OF RESEARCH

M. Sumita

KEY PERSONNEL

K. Nakazawa, R. Hamano and S. Horibe

MAJOR AREAS OF RESEARCH

Marine corrosion
Corrosion fatigue

RESEARCH DETAILS

Corrosion fatigue of high strength alloys in sea water

COMMENTS

INSTITUTION NAME AND ADDRESS Record number 129
---------------------------- Date of record:June 1988
Kyoto University
Electrometallurgy Laboratory, Faculty of Engineering
Honmachi, Yoshida, Sakyo-ku
Kyoto, 606
Japan

Tel:

DIRECTOR OF RESEARCH

M. Kurachi

KEY PERSONNEL

M. Hamura

MAJOR AREAS OF RESEARCH

Aqueous corrosion

RESEARCH DETAILS

Electrochemistry of metals and alloys

COMMENTS

INSTITUTION NAME AND ADDRESS Record number 130
Date of record:June 1988

Tohoku University
Surface Chem. Lab., Res. Institute for Iron, Steel & Other Metals
2-1-1 Katahira
Sendai, 980
Japan

Tel:

DIRECTOR OF RESEARCH

K. Hashimoto

KEY PERSONNEL

M. Takano, K. Asami and A. Kawashima

MAJOR AREAS OF RESEARCH

New materials for corrosion
Corrosion of composites and metalloids
Stress corrosion cracking

RESEARCH DETAILS

Corrosion-resistant amorphous and crystalline metals

COMMENTS

INSTITUTION NAME AND ADDRESS Record number 131
Date of record:June 1988

Yamaguchi University
Inorganic Chemistry Department, Faculty of Engineering
Tokiwadai, Ube
Yamaguchi-ken, 755

Japan

Tel:

DIRECTOR OF RESEARCH

K. Ogura

KEY PERSONNEL

T. Nagaoka

MAJOR AREAS OF RESEARCH

Coatings

RESEARCH DETAILS

Surface films on metals

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 132
Date of record:June 1988

Kyoto University
Engineering Materials Lab., Dept. of Mechanical Engineering
Yoshidahonmachi, Sakyo-ku
Kyoto, 606
Japan

Tel:

DIRECTOR OF RESEARCH

K. Komai

KEY PERSONNEL

S. Shiroshita and K. Minoshima

MAJOR AREAS OF RESEARCH

Environmental cracking

RESEARCH DETAILS

Environmental strength of metals

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 133
Date of record:June 1988

Yokohama National University
Research Institute for Energy Materials, Faculty of Engineering
156 Tokiwadai, Hodogaya-ku
Yokohama, 240
Japan

Tel:

DIRECTOR OF RESEARCH

M. Takahashi

KEY PERSONNEL

K. Ota

MAJOR AREAS OF RESEARCH

High temperature
Hot corrosion

RESEARCH DETAILS

Corrosion of metals in molten salts
High temperature oxidation of metals

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 134
Date of record:June 1988

Doshisha University
Electrochemical Laboratory, Dept. of Applied Chemistry
Karasuma-Imadegawa, Kamigyo-ku
Kyoto, 602
Japan

Tel:

DIRECTOR OF RESEARCH

M. Yamashita

KEY PERSONNEL

H. Takemura

MAJOR AREAS OF RESEARCH

Passivity

RESEARCH DETAILS

Passivity of metals and alloys

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 135
Date of record:June 1988

Japan National Railway
Railway Technical Research Institute
2-3-38 Hikari-cho, Kokubunji-shi
Tokyo, 157

Japan

Tel:

DIRECTOR OF RESEARCH

A. Suzuki

KEY PERSONNEL

A. Urushibara and K. Ohno

MAJOR AREAS OF RESEARCH

Stress corrosion cracking
Corrosion fatigue

RESEARCH DETAILS

Cavitation corrosion

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 136
Date of record:June 1988

Nagoya Institute of Technology
Metal Surface Science Laboratory
Gokiso-cho, Showa-ku
Nagoya, 466
Japan

Tel:

DIRECTOR OF RESEARCH

R. Otsuka

KEY PERSONNEL

S. Asano and Y. Fujishima

MAJOR AREAS OF RESEARCH

Hydrogen permeation and embrittlement

RESEARCH DETAILS

Hydrogen embrittlement of metals and alloys

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 137
Date of record:June 1988

Osaka University
Electrochemistry & Special Refining, Metals & Corrosion Lab.
2-1 Yamadaoka, Suita
Osaka, 565

Japan

Tel:

DIRECTOR OF RESEARCH

T. Shibata

KEY PERSONNEL

S. Taniguchi

MAJOR AREAS OF RESEARCH

Fundamental aspects
High temperature
Localised corrosion
Passivity

RESEARCH DETAILS

Passivity and the breakdown of films on stainless steel
Pitting corrosion and stress corrosion cracking of stainless steel
The statistical nature and probability of localized corrosion
High temperature oxidation of metals and alloys

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 138
Date of record: June 1988

The Nippon Corrosion Engineering Co. Ltd.
Omiya Research Laboratory
c/o Mitsubishi Metal Co., 1-297 Kitabukuro-machi, Omiya-shi
Saitama, 330
Japan

Tel:

DIRECTOR OF RESEARCH

T. Kobayashi

KEY PERSONNEL

Y. Tamura and M. Ishikawa

MAJOR AREAS OF RESEARCH

Cathodic/anodic protection
Soil corrosion
Marine corrosion

RESEARCH DETAILS

Corrosion and cathodic protection of steels in marine and soil environments

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 139
Date of record:June 1988

Industrial Research Institute of Kanagawa Prefecture
Corrosion Research Group
3173 Showa-machi, Kanazawa-ku
Yokohama, 236
Japan

Tel:

DIRECTOR OF RESEARCH

K. Shiobara

KEY PERSONNEL

K. Takizawa, Y. Ishizaki, K. Hirai and S. Magaino

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Atmospheric corrosion
Localised corrosion

RESEARCH DETAILS

Localized corrosion of ferrous alloys
Atmospheric corrosion of gold and its alloys
Monitoring of corrosion

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 140
Date of record:June 1988

University of Tokyo
Material Surface Engineering Lab., Industrial Science Institute
Roppongi 7-chome, Minato-ku
Tokyo, 106
Japan

Tel:

DIRECTOR OF RESEARCH

T. Homma

KEY PERSONNEL

K. Kataoka and A. Tanaka

MAJOR AREAS OF RESEARCH

High temperature

RESEARCH DETAILS

Thermal oxidation of metals and alloys

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 141
Date of record:June 1988

Government Industrial Research Institute of Kyushu
Corrosion Research Laboratory, Machine and Metal Division
Shuku-machi, Tosu-shi
Saga, 841
Japan

Tel:

DIRECTOR OF RESEARCH

A. Saito

KEY PERSONNEL

H. Ueno

MAJOR AREAS OF RESEARCH

Atmospheric corrosion
Marine corrosion

RESEARCH DETAILS

Corrosion of steels in humid and hot atmospheres containing fine sea salt particles

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 142
Date of record:June 1988

Sumitomo Metal Industries
Chemical Metallugy Lab., Central Research Labs.
3 1-chome, Nishinagasu-hondori
Amagasaki, 660
Japan

Tel:

DIRECTOR OF RESEARCH

Dr. T. Moroishi

KEY PERSONNEL

Drs. H. Nagano, H. Fujikawa, A. Ikeda, T. Kudo, Y. Shida and K. Yamanaka

MAJOR AREAS OF RESEARCH

Chemical and petroleum industry

Power generation industry

RESEARCH DETAILS

Corrosion studies and development of corrosion resistant materials for:
(a) Nuclear power plants
(b) Fossil fuel firing power generating plants
(c) Chemical plants
(d) Oil and gas production

COMMENTS

Dr. T. Moroishi is the assistant to the general manager of the central research laboratories in charge of the chemical metallurgy and surface finishing laboratories
Dr. H. Nagano is the chief of the chemical metallurgy laboratory

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INSTITUTION NAME AND ADDRESS
Record number 143
Date of record:June 1988

Hitachi Zosen Corporation
Material Research Laboratory, Technical Research Institute
3-22 Sakurajima 1-chome, Konohana-ku
Osaka, 554
Japan

Tel:

DIRECTOR OF RESEARCH

S. Yamamoto

KEY PERSONNEL

T. Tsuruta and Y. Hirai

MAJOR AREAS OF RESEARCH

Inhibitors

RESEARCH DETAILS

Corrosion resistance of and prevention in metals

COMMENTS

INSTITUTION NAME AND ADDRESS
Record number 144
Date of record:June 1988

Nippon Kokan K.K.
Corrosion Laboratory, Technical Research Center
1-1 Minamiwatarida-cho, Kawasaki-ku
Kawasaki, 210
Japan

Tel:

DIRECTOR OF RESEARCH

I. Matsushima

KEY PERSONNEL

J. Sakai, Y. Shimizu, K. Nunomura and K. Masamura

MAJOR AREAS OF RESEARCH

Fundamental aspects
Cathodic/anodic protection
Soil corrosion
Marine corrosion
High temperature
Stress corrosion cracking
Localised corrosion

RESEARCH DETAILS

(a) Development of corrosion resistant steels and alloys
(b) Development of corrosion protection systems, e.g. cathodic protection of buries pipelines and overall protection of marine structures
(c) Fundamental research on stress corrosion cracking and localized corrosion of stainless steels and alloys, stress corrosion cracking of low alloy steels and high temperature corrosion

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 145
Date of record:June 1988

Osaka Gas Co. Ltd.
Corrosion Control Techniques Team, Pipeline Engineering Center
11-61 Torishima-5, Konohana-ku
Osaka, 554
Japan

Tel:

DIRECTOR OF RESEARCH

Y. Nakamoto

KEY PERSONNEL

Y. Koshimizu, M. Ogura, Y. Sugimoto and T. Nishikawa

MAJOR AREAS OF RESEARCH

Cathodic/anodic protection
Soil corrosion

RESEARCH DETAILS

Underground corrosion and cathodic protection

COMMENTS

INSTITUTION NAME AND ADDRESS　　　　Record number　146
Date of record:June 1988

Hokkaido University
Analytical Chemistry Lab., Faculty of Engineering
Kita-13, Nishi-8, Kita-ku
Sapporo, 060
Japan

Tel:

DIRECTOR OF RESEARCH

M. Nagayama

KEY PERSONNEL

H. Tanura, H. Takahashi and H. Konno

MAJOR AREAS OF RESEARCH

Coatings

RESEARCH DETAILS

Surface finishing of metals

COMMENTS

INSTITUTION NAME AND ADDRESS　　　　Record number　147
Date of record:June 1988

Hokkaido University
Electrometallurgy Laboratory, Dept. of Metallurgy
Kita-13, Nishi-8, Kita-ku
Sapporo, 060
Japan

Tel:

DIRECTOR OF RESEARCH

T. Ishikawa

KEY PERSONNEL

T. Narita, T. Notoya, T. Sasaki and S. Konda

MAJOR AREAS OF RESEARCH

High temperature
Hot corrosion
Aqueous corrosion

RESEARCH DETAILS

Corrosion reactions in neutral aqueous solutions
High temperature oxidation and sulphidation

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 148
Date of record:June 1988

Hokkaido University
Nuclear Reactor Materials Lab., Faculty of Engineering
Kita-13, Nishi-8, Kita-ku
Sapporo, 060
Japan

Tel:

DIRECTOR OF RESEARCH

T. Morozumi

KEY PERSONNEL

H. Ohashi, T. Mizuno and M. Moriya

MAJOR AREAS OF RESEARCH

Power generation industry

RESEARCH DETAILS

Decontamination of nuclear reactor coolant circuit materials
Hydrogenation of hydrogen reservoir alloys

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 149
Date of record:June 1988

Kansai Paint Co. Ltd.
Technical Research Laboratory
Higashi Yawata 4-17-1, Hiratsuka Kanagawa
254
Japan

Tel:

DIRECTOR OF RESEARCH

T. Satoh

KEY PERSONNEL

K. Nobutoh and T. Nishimoto

MAJOR AREAS OF RESEARCH

Coatings

RESEARCH DETAILS

Corrosion resistance of coated steels

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 150
Date of record: June 1988

Fujikura Ltd.
Materials Department, R & D Division
1-5-1 Kiba, Kotho-ku
Tokyo, 135
Japan

Tel:

DIRECTOR OF RESEARCH

Y. Naganuma

KEY PERSONNEL

N. Tanabe and A. Kawakami

MAJOR AREAS OF RESEARCH

Stress corrosion cracking
Localised corrosion

RESEARCH DETAILS

Corrosion of conductor materials:
(a) Pitting and crevice corrosion in aluminum
(b) Stress corrosion cracking in copper conductors

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 151
Date of record: June 1988

Tohoku University
Surface Chemistry Lab., Department of Chemistry
Aza-aoba, Aramaki
Sendai, 980
Japan

Tel:

DIRECTOR OF RESEARCH

T. Ejima

KEY PERSONNEL

K. Sugimoto, S. Matsuda and N. Hara

MAJOR AREAS OF RESEARCH

Passivity

RESEARCH DETAILS

Passivity of metals and alloys

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 152
Date of record:June 1988

Aoyama Gakuin University
Materials Science Research Lab., School of Science and Engng.
6-16-1 Chitose-dai, Setagaya-ku
Tokyo, 157
Japan

Tel:

DIRECTOR OF RESEARCH

M. Takemoto

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Erosion/corrosion
Stress corrosion cracking

RESEARCH DETAILS

Welding

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 153
Date of record:June 1988

Sumitomo Light Metal Industries Ltd.
Technical Research Laboratory
3-1-12 Chitose, Minatoku
Nagoya, 455
Japan

Tel:

DIRECTOR OF RESEARCH

Z. Tanabe

KEY PERSONNEL

K. Nagata, S. Yamauchi, M. Hagiwara, T. Atsumi and H. Itoho

MAJOR AREAS OF RESEARCH

Marine corrosion
Potable and cooling water systems
Localised corrosion

Aqueous corrosion

RESEARCH DETAILS

Corrosion of copper alloys in sea water
Pitting corrosion of copper tube in hot water
Corrosion of aluminum alloys used in radiators

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 154
Date of record:June 1988

Nippon Paint Co. Ltd.
Technical Center
4-1-15 Minamishinagawa, Shinagawa
Tokyo, 140
Japan

Tel:

DIRECTOR OF RESEARCH

T. Watanabe

KEY PERSONNEL

Y. Ishida and K. Yoshioka

MAJOR AREAS OF RESEARCH

Coatings

RESEARCH DETAILS

Surface treatment and corrosion control using paint films

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 155
Date of record:June 1988

Kawasaki Heavy Industries Ltd.
Corrosion Research Laboratory, Technical Institute
1-1 Kawasaki-cho, Akashi
Hyogo Prefecture, 673
Japan

Tel:

DIRECTOR OF RESEARCH

S. Matsuda

KEY PERSONNEL

S. Okazaki, K. Hasegawa, M. Uekado and A. Yamamoto

MAJOR AREAS OF RESEARCH

Stress corrosion cracking
Corrosion fatigue

RESEARCH DETAILS

Stress corrosion cracking of stainless steels,
high strength steels and aluminum alloys
Corrosion fatigue strength of steels

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 156
Date of record:June 1988

Dai Nippon Toryo Co. Ltd.
Corrosion and Protection Research Laboratory
12-1 Daito-cho, Tsurumi-ku
Yokohama, 230
Japan

Tel:

DIRECTOR OF RESEARCH

Y. Sato

KEY PERSONNEL

T. Shinohara and H. Tanabe

MAJOR AREAS OF RESEARCH

Coatings

RESEARCH DETAILS

Underfilm corrosion
Protective coatings

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 157
Date of record:June 1988

Ministry of Labour
Mechanical Division, Research Institute of Industrial Safety
1-4-6 Umezono, Kiyose-Shi
Tokyo, 204
Japan

Tel:

DIRECTOR OF RESEARCH

H. Boda

KEY PERSONNEL

M. Tanaka

MAJOR AREAS OF RESEARCH

Corrosion fatigue

RESEARCH DETAILS

Crack propagation

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 158
Date of record:June 1988

University of Tokyo
Inorganic Chemistry Laboratory, Faculty of Science
Kagurazaka 1-3, Shinjuku-ku
Tokyo, 162
Japan

Tel:

DIRECTOR OF RESEARCH

K. Tachibana

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

High temperature

RESEARCH DETAILS

Reactivity of metallic materials

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 159
Date of record:June 1988

Ibaraki University
Surface Finishing Laboratory, Engineering Faculty
Nakanarusawa 4-12-1, Hitachi
Ibaraki, 316
Japan

Tel:

DIRECTOR OF RESEARCH

H. Nagasaka

KEY PERSONNEL

R. Suzuki

MAJOR AREAS OF RESEARCH

Coatings

RESEARCH DETAILS

Anticorrosion behaviour of steel after thermal spraying

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 160
Date of record: June 1988

Doshisha University
Chemical and Material Engineering Laboratory, Engineering Faculty
Imadegawa-dori, Karasuma-higashiiru, Kamigyo-ku
Kyoto, 602
Japan

Tel:

DIRECTOR OF RESEARCH

S. Okuda

KEY PERSONNEL

S. Nishina and T. Iguchi

MAJOR AREAS OF RESEARCH

Coatings

RESEARCH DETAILS

Chemical resistance of plastics
Corrosion protection by linings and coatings

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 161
Date of record: June 1988

Teikoku Oil Co. Ltd.
Chemical Laboratory, Technical Research Center
9-23-30 Kitakarasuyama, Setagaya-ku
Tokyo, 157
Japan

Tel:

DIRECTOR OF RESEARCH

M. Tezuka

KEY PERSONNEL

S. Fujii and Y. Tomoe

MAJOR AREAS OF RESEARCH

Inhibitors

RESEARCH DETAILS

Corrosion inhibitors for oil and gas wells

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 162
Date of record:June 1988

Nisshin Kasei Co. Ltd.
Corosion Laboratories
6-15 2-chome Akai Kawaguchi
Saitama-ken, 334
Japan

Tel:

DIRECTOR OF RESEARCH

R. Onishi

KEY PERSONNEL

K. Fukata and Y. Arita

MAJOR AREAS OF RESEARCH

Corrosion in concrete

RESEARCH DETAILS

Corrosion control in reinforced concrete

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 163
Date of record:June 1988

Mitsubishi Aluminum Co. Ltd.
Technical Research Laboratory
85 Hiramatsu
Susono, 410-11
Japan

Tel:

DIRECTOR OF RESEARCH

K. Tohma

KEY PERSONNEL

T. Iwama, K. Chiba and H. Kudo

MAJOR AREAS OF RESEARCH

Localised corrosion

RESEARCH DETAILS

Pitting corrosion of aluminum alloys

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 164
Date of record:June 1988

Nagoya University
Metallo-electrochemistry and Non-ferrous Metallurgy Laboratory
Furo-cho, Chikusa-ku
Nagoya, 464
Japan

Tel:

DIRECTOR OF RESEARCH

T. Oki

KEY PERSONNEL

M. Okido and K. Moon

MAJOR AREAS OF RESEARCH

Passivity

RESEARCH DETAILS

Interfacial impedance behaviour of metals and
alloys during corrosion and passivation

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 165
Date of record:June 1988

Nippon Mining Co. Ltd.
R & D Section, Technical Department, Kurami Works
3-Kurami, Samukawa-cho, Koza-gun
Kanagawa, 253-01
Japan

Tel:

DIRECTOR OF RESEARCH

S. Kawauchi

KEY PERSONNEL

M. Tsuji, J. Miyake, H. Sou, R. Nobuyoshi and N. Yuuki

MAJOR AREAS OF RESEARCH

Electronics industry
Potable and cooling water systems

RESEARCH DETAILS

Research on corrosion resistant brass and copper alloys for radiators
Research on the corrosion behaviour of copper alloys, steel and ferrous alloys for electrical components

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 166
Date of record:June 1988

Ministry of Construction
Corrosion Studies Research Section, Public Works Res. Institute
Asahi 1-banchi, Tokosato-machi, Tsukuba-gun
Ibaragi-ken, 305
Japan

Tel:

DIRECTOR OF RESEARCH

Y. Mori

KEY PERSONNEL

K. Katawaki

MAJOR AREAS OF RESEARCH

Coatings
Marine corrosion
Corrosion in concrete

RESEARCH DETAILS

Corrosion preventative technology for steel and concrete road bridges and marine structures
Corrosion protection of steel pipes in the sea

COMMENTS

K. Katawaki also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 167
Date of record:June 1988

Tohoku Electric Power Co. Inc.
Applied REsearch Laboratory, General R & D Center
2-1 Nakayama 7-chome, Miyagi-ken
Sendai, 980
Japan

Tel: (0222) 78-0356

DIRECTOR OF RESEARCH

T. Yamamoto

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Corrosion in concrete

RESEARCH DETAILS

Concrete degradation and its prevention

COMMENTS

INSTITUTION NAME AND ADDRESS
Record number 168
Date of record:June 1988

Tohoku Electric Power Co. Inc.
Applied Research Laboratory, General R & D Center
7-2-1 Nakayama
Sendai, 980
Japan

Tel:

DIRECTOR OF RESEARCH

Y. Saitoh

KEY PERSONNEL

S. Sudoh and T. Yamamoto

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Hot corrosion
Power generation industry
Corrosion in concrete

RESEARCH DETAILS

Environmental degradation of metals in power plants

COMMENTS

INSTITUTION NAME AND ADDRESS
Record number 169
Date of record:June 1988

Ishikawajima-harima Heavy Industries Co. Ltd.
Research Institute
3-1-15 Toyosu, Koto-ku
Tokyo, 135

Japan

Tel:

DIRECTOR OF RESEARCH

Y. Saiga

KEY PERSONNEL

T. Kawamoto, M. Akashi, F. Umemura and K. Nakagawa

MAJOR AREAS OF RESEARCH

High temperature
Erosion/corrosion
Stress corrosion cracking
Localised corrosion

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 170
Date of record:June 1988

Nihon Perkerizing Co. Ltd.
Technical Research Laboratory
14-12 2-chome, Nakaikegami, Ohta-ku
Tokyo, 146
Japan

Tel:

DIRECTOR OF RESEARCH

Y. Matsushima

KEY PERSONNEL

A. Fukuda, H. Kaneko and S. Koizumi

MAJOR AREAS OF RESEARCH

Inhibitors
Coatings

RESEARCH DETAILS

Conversion and organic coatings

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 171
Date of record:June 1988

Niigata Engineering Co. Ltd.
Central Laboratories for Materials and Structures

Japan

Tel:

DIRECTOR OF RESEARCH

Y. Hara

KEY PERSONNEL

S. Shiratori, Y. Nishizaka, A. Hori and Y. Kagawa

MAJOR AREAS OF RESEARCH

High temperature
Hydrogen permeation and embrittlement
Stress corrosion cracking
Aqueous corrosion

RESEARCH DETAILS

Temper embrittlement
Wet hydrogen sulphide stress corrosion cracking
Vanadium attack
High temperature and high pressure water corrosion

COMMENTS

S. Shiratori also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 172
Date of record: June 1988

Hiroshima University
Fundamentals of Chemical Engineering Laboratory
Shitami, Saijo-cho
Higashi-hiroshima, 724
Japan

Tel:

DIRECTOR OF RESEARCH

M. Matsumura

KEY PERSONNEL

Y. Oka and Y. Ohsako

MAJOR AREAS OF RESEARCH

Erosion/corrosion

RESEARCH DETAILS

Erosion-corrosion of metals and alloys

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 173
Date of record:June 1988

Japan Lead-Zinc Development Association

Shin-hibiya Building, 1-3-6 Uchisaiwaicho, Chiyoda-ku
Tokyo, 100
Japan

Tel:

DIRECTOR OF RESEARCH

H. Tanaka

KEY PERSONNEL

K. Yoshikawa

MAJOR AREAS OF RESEARCH

Coatings

RESEARCH DETAILS

Corrosion control of steel by zinc and zinc-aluminum coatings

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 174
Date of record:June 1988

Shimizu Construction Co. Ltd.
Institute of Technology
4-17 Etchujima 3-chome, Kota-ku
Tokyo, 135
Japan

Tel:

DIRECTOR OF RESEARCH

T. Kondo

KEY PERSONNEL

N. Ishikawa

MAJOR AREAS OF RESEARCH

Corrosion in concrete

RESEARCH DETAILS

Corrosion of materials for architectural use

COMMENTS

INSTITUTION NAME AND ADDRESS   Record number   175
                                            Date of record:June 1988

Tokyo Gas Co.
Engng. Materials & Analytical Support Division, R & D Institute
1-16 Shibaura, Minato-ku
Tokyo, 105
Japan

Tel:

DIRECTOR OF RESEARCH

K. Kasahara

KEY PERSONNEL

H. Adachi, F. Kajiyama, S. Komukai and M. Kikuchi

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Soil corrosion
Environmental cracking

RESEARCH DETAILS

(a) Corrosion and protection of buried steel, cast iron pipes and metals used in gas appliances
(b) Application of electrochemical techniques to corrosion monitoring of buried pipelines
(c) Environmentally-assisted cracking of buried steel pipes

COMMENTS

INSTITUTION NAME AND ADDRESS   Record number   176
                                            Date of record:June 1988

Government Industrial Research Institute of Chugoku
Corrosion Engineering Division, Machinery & Metals Dept.
Hiromachi 15000
Kure, 737-01
Japan

Tel:

DIRECTOR OF RESEARCH

K. Kudo

KEY PERSONNEL

M. Araki, K. Yokogawa and R. Nishimura

MAJOR AREAS OF RESEARCH

Marine corrosion
Environmental cracking

Passivity

RESEARCH DETAILS

Passivity of metals
Marine corrosion of metals and alloys
Corrosion and cracking of alloys in hydrogen, ammonia and caustic alkali

COMMENTS

K. Kudo is director, machinery & metals department
M. Araki is director, corrosion engineering division

INSTITUTION NAME AND ADDRESS

Record number 177
Date of record:June 1988

Nippon Paint Co. Ltd.
Technical Center
19-17 Ikedanakamachi, Neyagama
Osaka, 572
Japan

Tel:

DIRECTOR OF RESEARCH

O. Kawada

KEY PERSONNEL

T. Morita, N. Furuno and T. Yamamoto

MAJOR AREAS OF RESEARCH

Coatings

RESEARCH DETAILS

Corrosion prevention by organic coatings

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 178
Date of record:June 1988

Kurita Water Industries Ltd.
Kurita General Laboratories
1723 Bukko-cho, Hodogaya-ku
Yokohama, 240
Japan

Tel:

DIRECTOR OF RESEARCH

D. Yamamoto

KEY PERSONNEL

T. Tamagawa, T. Tsuneki and S. Takasaki

MAJOR AREAS OF RESEARCH

Inhibitors
Power generation industry
Potable and cooling water systems
Stress corrosion cracking

RESEARCH DETAILS

Stress corrosion cracking in nuclear facilities
Corrosion inhibitors for cooling systems

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 179
Date of record:June 1988

Kobe Steel Ltd.
Research Department, Maoka Aluminum & Copper Division
15-Kinugaoka,
Maoka City, Tochigi Prefecture 321-43
Japan

Tel:

DIRECTOR OF RESEARCH

K. Toyose

KEY PERSONNEL

F. Hideo and K. Hatanaka

MAJOR AREAS OF RESEARCH

Steel industry
Aqueous corrosion

RESEARCH DETAILS

Corrosion of aluminum alloys

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 180
Date of record:June 1988

Sumitomo Chemical Co. Ltd.
Materials Research Group, Engineering Department
5-1 Sobiraki-cho, Niihama-shi
Ehimeken, 792
Japan

Tel:

DIRECTOR OF RESEARCH

M. Okubo

KEY PERSONNEL

M. Miki, H. Ishimaru, K. Tokunaga and K. Fuzita

MAJOR AREAS OF RESEARCH

Chemical and petroleum industry

RESEARCH DETAILS

Materials research in chemical plant:
(a) Material selection in newly developed chemical processes
(b) Research on corrosion protection in chemical plant
(c) Analysis of field corrosion problems and failures
(d) Diagnosis of corrosion damage in field equipment

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 181
Date of record:June 1988

Nippon Yakin Kogyo Co. Ltd.
Corrosion Research Group, Technical Research Center
4-1 Kojima-cho, Kawasaki-ku
Kawasaki, 210
Japan

Tel:

DIRECTOR OF RESEARCH

R. Nemoto

KEY PERSONNEL

N. Okato and Y. Fujiwara

MAJOR AREAS OF RESEARCH

New materials for corrosion
Marine corrosion
High temperature

RESEARCH DETAILS

Corrosion behaviour and improvement of stainless steels and nickel-base alloys
New material development for resistance to high temperature oxidation and sea water corrosion

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 182
Date of record:June 1988

Nippon Steel Corp.
Yawata Technical Research Division, Central R & D Bureau
1-1-1 Edamitsu, Yawata-higashi-ku
Kitakyushu city, 805
Japan

Tel:

DIRECTOR OF RESEARCH

K. Yamamoto

KEY PERSONNEL

K. Ina, S. Sakamoto and S. Mizoguchi

MAJOR AREAS OF RESEARCH

High temperature
Steel industry
Aqueous corrosion

RESEARCH DETAILS

Corrosion and corrosion protection of steel pipe
Corrosion of steel manufacturing plants

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 183
Date of record:June 1988

Toyo Engineering Corp.
Materials Technology Department, Research Center
1-818 Tohgo-fujimi, Mobara
Chiba, 297
Japan

Tel:

DIRECTOR OF RESEARCH

T. Shinohara

KEY PERSONNEL

A. Toshio, K. Shibata, K. Matsumoto and Y. Kita

MAJOR AREAS OF RESEARCH

Coatings
High temperature
Aqueous corrosion

RESEARCH DETAILS

Process and structural design for corrosion prevention
Carburization of heat resistant alloys
Corrosion of stainless steel weldments
Corrosion prevention using ceramic coatings
Corrosion in aqueous solutions at high temperatures and pressures

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 184
Date of record:June 1988

Toyo Seikan Kaisya Ltd.
No. 2 Research Lab., Research Dept., Technical Headquarters
1-70 Yako, 1-chome, Tsurumi-ku
Yokohama, 230
Japan

Tel:

DIRECTOR OF RESEARCH

M. Tsurumaru

KEY PERSONNEL

Y. Suzuki, A. Nunokawa, K. Yasuda, Y. Yamamoto and M. Tazaki

MAJOR AREAS OF RESEARCH

Coatings

RESEARCH DETAILS

Internal corrosion of cans and its prevention
Corrosion of metal materials for packaging

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 185
Date of record:June 1988

National Chemical Laboratory for Industry
Fourth Section, Process R & D Division
Higashi 1-1, Yatabe-machi, Tsukuba-gun
Ibaraki-ken, 305
Japan

Tel:

DIRECTOR OF RESEARCH

H. Nakauchi

KEY PERSONNEL

H. Sasaki, Y. Kanda, K. Osato and Y. Imai

MAJOR AREAS OF RESEARCH

Chemical and petroleum industry

RESEARCH DETAILS

Corrosion prevention and control in the chemical industry

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 186
Date of record:June 1988

Kawasaki Steel Corp.
Corrosion Research Laboratory
1 Kawasaki-cho
Chiba, 260
Japan

Tel:

DIRECTOR OF RESEARCH

Y. Nakai

KEY PERSONNEL

H. Kurahashi, T. Kurisu, Y. Sone, F. Mukaihara and M. Kimura

MAJOR AREAS OF RESEARCH

Steel industry

RESEARCH DETAILS

Corrosion and its prevention for steels and alloys

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 187
Date of record:June 1988

Kawasaki Steel Corp.
Coating Research Laboratory
1 Kawasaki-cho
Chiba, 260
Japan

Tel:

DIRECTOR OF RESEARCH

T. Ichida

KEY PERSONNEL

K. Yamato, S. Kobayashi, Y. Sakamoto and S. Kurokawa

MAJOR AREAS OF RESEARCH

Coatings

RESEARCH DETAILS

Corrosion resistance of coated steel sheet

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 188
Date of record:June 1988

Kawasaki Steel Corp.
Stainless Steel Research Laboratory
1 Kawasaki-cho
Chiba, 260
Japan

Tel:

DIRECTOR OF RESEARCH

S. Suzuki

KEY PERSONNEL

T. Kawasaki

MAJOR AREAS OF RESEARCH

High temperature

RESEARCH DETAILS

High temperature oxidation of stainless steel

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 189
Date of record:June 1988

Kawasaki Steel Corp.
Plate and Alloy Steel Research Laboratories
1 Kawasaki-cho
Chiba, 260
Japan

Tel:

DIRECTOR OF RESEARCH

A. Narumoto

KEY PERSONNEL

S. Matsumoto

MAJOR AREAS OF RESEARCH

Marine corrosion
Corrosion fatigue

RESEARCH DETAILS

Corrosion fatigue of steel in sea water

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 190
Date of record: June 1988

Kawasaki Steel Corp.
R & D Center, Engineering Division
351 Naganuma-cho
Chiba, 281
Japan

Tel:

DIRECTOR OF RESEARCH

M. Hara

KEY PERSONNEL

Y. Kawai, T. Kaneko, S. Kikukawa and O. Hashimoto

MAJOR AREAS OF RESEARCH

Marine corrosion
Corrosion fatigue

RESEARCH DETAILS

Corrosion fatigue of offshore steel structures

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 191
Date of record: June 1988

Kawasaki Steel Corp.
Chita Research Laboratories
1-1 Kawasaki-cho
Handa, 475
Japan

Tel:

DIRECTOR OF RESEARCH

T. Enami

KEY PERSONNEL

K. Motoda and K. Tamaki

MAJOR AREAS OF RESEARCH

Chemical and petroleum industry

RESEARCH DETAILS

Corrosion materials for oilfield service

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 192
Date of record:June 1988

Kawasaki Steel Corp.
Kobe Research Laboratories
1-1-28 Kitahonmachi-dori, Chuo-ku
Kobe, 651
Japan

Tel:

DIRECTOR OF RESEARCH

T. Tanda

KEY PERSONNEL

H. Ishitobi and Y. Yonezawa

MAJOR AREAS OF RESEARCH

Steel industry

RESEARCH DETAILS

Corrosion resistance of zinc and zinc-nickel alloys
Electroplated steel sheet for autobodies

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 193
Date of record:June 1988

Kawasaki Steel Corp.
Laboratory III, Mizushima Research Dept.
1 Mizushima Kawasaki-dori
Kurashiki, 712
Japan

Tel:

DIRECTOR OF RESEARCH

S. Okano

KEY PERSONNEL

H. Kimura

MAJOR AREAS OF RESEARCH

Coatings

RESEARCH DETAILS

Electrogalvanizing, hot dip galvanizing
Chromate, phosphate and organic coatings

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 194
Date of record:June 1988

Nippon Steel Corp.
Center for Surface Science & Technology, Central R & D Bureau
1618 Ida, Nakahara-ku
Kawasaki, 211
Japan

Tel:

DIRECTOR OF RESEARCH

T. Murata

KEY PERSONNEL

S. Maeda and S. Ito

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring

RESEARCH DETAILS

Corrosion science
Corrosion resistant materials
Corrosion monitoring
Surface modification

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 195
Date of record:June 1988

Nakagawa Corrosion Protection Co. Ltd.
Technical Research Laboratory
417-16 Nakaarai
Ageo City, Saitama Prefecture 362
Japan

Tel:

DIRECTOR OF RESEARCH

H. Yoshino

KEY PERSONNEL

T. Umino, K. Muto, I. Yamamoto and T. Shirouzu

MAJOR AREAS OF RESEARCH

Cathodic/anodic protection
Coatings
Atmospheric corrosion
Soil corrosion
Aqueous corrosion

RESEARCH DETAILS

Research and development of cathodic protection systems and materials
Research and development of coating and wrapping systems and materials
Survey and analysis of corrosion in water, soil and atmosphere environments

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 196
Date of record: June 1988

Nippon Steel Corp.
Stainless Steel, Pipe & Tube, and Surface Treatment Labs.
5-10-1 Fuchinobe, Sagamihara
Kanagawa, 229
Japan

Tel:

DIRECTOR OF RESEARCH

I. Kimura

KEY PERSONNEL

S. Abe, M. Yamanaka and R. Todoroki (Stainless Steel Lab.)
H. Ogawa (Pipe & Tube Lab.)
Y. Miyoshi (Surface Treatment Lab.)

MAJOR AREAS OF RESEARCH

Steel industry

RESEARCH DETAILS

Surface chemistry of stainless steel
Corrosion characteristics of pipe and tubing materials
Metal finishing

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 197
Date of record:June 1988

Science University of Tokyo
Corrosion Research Lab., Dept. of Industrial Chemistry
2641 Yamazaki, Noda
Chiba, 278
Japan

Tel:

DIRECTOR OF RESEARCH

I. Sekine

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Fundamental aspects

RESEARCH DETAILS

Corrosion of steels in organic solvents

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 198
Date of record:June 1988

Mitsui Engineering and Shipbuilding Co.
Materials Research Section, Tamano Laboratory
3-16-1 Tamahara
Tamano-shi, Okayama Prefecture 706
Japan

Tel:

DIRECTOR OF RESEARCH

M. Kumada

KEY PERSONNEL

M. Fujioka and K. Miura

MAJOR AREAS OF RESEARCH

Marine corrosion
Chemical and petroleum industry

RESEARCH DETAILS

Electrodeposition of minerals in sea water
Evaluation of the corrosion resistance of undersea construction materials
Evaluation of the corrosion resistance of titanium alloys in chemical plants

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 199

Date of record: June 1988

Science University of Tokyo
Department of Industrial Chemistry, Faculty of Engineering
Kagurazaka 1-3, Shinjuku-ku
Tokyo, 162
Japan

Tel:

DIRECTOR OF RESEARCH

M. Katoh

KEY PERSONNEL

J. Kuwano

MAJOR AREAS OF RESEARCH

Inhibitors
Research techniques

RESEARCH DETAILS

Corrosion inhibitors for iron in water
Improvement of the polarization resistance method

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 200

Date of record: June 1988

Ajinomoto Inc.
Materials Science & Engng. Group, Central Research Laboratories
1-1 Suzuki-cho, Kawasaki-ku
Kawasaki, 210
Japan

Tel:

DIRECTOR OF RESEARCH

T. Suzuki

KEY PERSONNEL

M. Yamabe, T. Sekiguchi and S. Ikeda

MAJOR AREAS OF RESEARCH

Chemical and petroleum industry

RESEARCH DETAILS

Corrosion and protection of construction materials in chemical plants

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 201
Date of record: June 1988

Aston University
Department of Mechanical and Production Engineering
Gosta Green
Birmingham, B4 7ET
U.K.

Tel:

DIRECTOR OF RESEARCH

Dr. C. Page

KEY PERSONNEL

Dr. J. K. Dennis

MAJOR AREAS OF RESEARCH

Coatings
High temperature
Corrosion in concrete

RESEARCH DETAILS

Corrosion of rebar in concrete

COMMENTS

Dr. J. K. Dennis also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 202
Date of record: June 1988

University of Bath
School of Materials Science
Claverton Down
Bath, BA2 7AY
U.K.

Tel:

DIRECTOR OF RESEARCH

Dr. B. McEnaney

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

High temperature
Hot corrosion

Potable and cooling water systems

RESEARCH DETAILS

Corrosion in central heating systems

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 203
Date of record:June 1988

Brighton Polytechnic
Dept. of Physical Sciences, Faculty of Natural & Life Science
Moulsecoomb
Brighton, BN2 4GJ
U.K.

Tel:

DIRECTOR OF RESEARCH

Dr. T. Riley

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Marine corrosion
Chemical and petroleum industry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 204
Date of record:June 1988

University of Cambridge
Department of Metallurgy and Materials Science
Pembroke Street
Cambridge, CB2 3QZ
U.K.

Tel:

DIRECTOR OF RESEARCH

Dr. G. T. Burstein

KEY PERSONNEL

Dr. D. J. Fray

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring

High temperature
Power generation industry

RESEARCH DETAILS

COMMENTS

Dr. D. J. Fray also directs corrosion research

INSTITUTION NAME AND ADDRESS
Record number 205
Date of record:June 1988

City University
Department of Mechanical Engineering
Northampton Square
London, EC1V0HB
U.K.

Tel:

DIRECTOR OF RESEARCH

Dr. P. A. Lush

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Marine corrosion
Power generation industry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS
Record number 206
Date of record:June 1988

Cranfield Institute of Technology
School of Industrial Science

Cranfield, Bedford MK430AL
U.K.

Tel:

DIRECTOR OF RESEARCH

Dr. M. J. Robinson

KEY PERSONNEL

Dr. J. E. Strutt

MAJOR AREAS OF RESEARCH

Chemical and petroleum industry

Power generation industry

RESEARCH DETAILS

Microbial corrosion

COMMENTS

Dr. J. E. Strutt also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 207
Date of record:June 1988

University of Lancaster
Department of Physics
Bailrigg
Lancaster, LA1 4YB
U.K.

Tel:

DIRECTOR OF RESEARCH

Dr. R. A. Collins

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

High temperature

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 208
Date of record:June 1988

Coventry (Lanchester) Polytechnic
Department of Applied Physical Sciences
Priory Street
Coventry, CV1 5FB
U.K.

Tel:

DIRECTOR OF RESEARCH

Dr. D. Kirk

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Stress corrosion cracking

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 209
Date of record:June 1988

University of Leeds
Department of Metallurgy

Leeds, LS2 9JT
U.K.

Tel:

DIRECTOR OF RESEARCH

Dr. J. C. Scully

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Stress corrosion cracking

RESEARCH DETAILS

Stress corrosion cracking of titanium

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 210
Date of record:June 1988

Liverpool Polytechnic
Department of Physics
Byron Street
Liverpool, L3 3AF
U.K.

Tel:

DIRECTOR OF RESEARCH

Dr. G. H. Gleaves

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

High temperature

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 211
Date of record:June 1988

University of Liverpool
Department of Metallurgy and Materials Science
P.O. Box 147
Liverpool, L69 3BX
U.K.

Tel:

DIRECTOR OF RESEARCH

Dr. N. Swindells

KEY PERSONNEL

Dr. G. J. Tatlock

MAJOR AREAS OF RESEARCH

Fundamental aspects
High temperature
Hot corrosion
Medical and dental applications

RESEARCH DETAILS

Corrosion of implants and dental materials

COMMENTS

Dr. G. J. Tatlock also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 212
Date of record:June 1988

Loughborough College of Technology
Department of Materials Engineering and Design

Loughborough, Leicestershire LE113TU
U.K.

Tel:

DIRECTOR OF RESEARCH

Prof. I. A. Menzies

KEY PERSONNEL

Dr. D. Gabe

MAJOR AREAS OF RESEARCH

Fundamental aspects
Coatings
High temperature

RESEARCH DETAILS

COMMENTS

Dr. D. Gabe also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 213
Date of record:June 1988

City of London Polytechnic, Sir John Cass School of Sci. & Techn.
Department of Metallurgy and Materials Engineering
Central House Annexe, Whitechapel High Street
London, E1 7PF
U.K.

Tel:

DIRECTOR OF RESEARCH

Dr. C. J. L. Booker

KEY PERSONNEL

Dr. M. Clarke

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring

RESEARCH DETAILS

Microbial corrosion

COMMENTS

Dr. M. Clarke also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 214
Date of record:June 1988

Imperial College of Science and Technology
Department of Metallurgy and Materials Science
Prince Consort Road
London, SW7 2AZ
U.K.

Tel:

DIRECTOR OF RESEARCH

Prof. D. R. F. West

KEY PERSONNEL

Drs. M. G. Hocking and M. W. Steen

MAJOR AREAS OF RESEARCH

Coatings
Marine corrosion

High temperature
Power generation industry

RESEARCH DETAILS

COMMENTS

Drs. M. G. Hocking and M. W. Steen also direct corrosion research

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INSTITUTION NAME AND ADDRESS

Record number 215
Date of record:June 1988

University of Manchester
Department of Metallurgy and Metallography
Grosvenor Street
Manchester, M1 7HS
U.K.

Tel:

DIRECTOR OF RESEARCH

Dr. D. G. Lees

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
High temperature
Power generation industry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 216
Date of record:June 1988

University of Manchester , Institute of Science & Technology
Corrosion and Protection Centre
P.O. Box 88
Manchester, M60 1QD
U.K.

Tel:

DIRECTOR OF RESEARCH

Prof. G. C. Wood

KEY PERSONNEL

Dr. R. P. M. Proctor

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
Inhibitors
Coatings
Marine corrosion
High temperature
Chemical and petroleum industry
Power generation industry
Research techniques

RESEARCH DETAILS

COMMENTS

Dr. R. P. M. Proctor also directs corrosion research

INSTITUTION NAME AND ADDRESS — Record number 217
Date of record: June 1988

University of Newcastle upon Tyne
Department of Physical Chemistry
Edwards Walk
Newcastle upon Tyne, NE1 7RU
U.K.

Tel:

DIRECTOR OF RESEARCH

Dr. R. D. Armstrong

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Fundamental aspects
Inhibitors
Coatings

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 218
Date of record: June 1988

Newcastle upon Tyne Polytechnic
School of Materials Engineering
Ellison Building, Ellison Place
Newcastle upon Tyne, NE1 8ST
U.K.

Tel:

DIRECTOR OF RESEARCH

Prof. K. N. Strafford

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Coatings
Marine corrosion

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 219
Date of record:June 1988

University of Newcastle upon Tyne
Department of Metallurgy and Engineering Materials

Newcastle upon Tyne, NE1 7RU
U.K.

Tel:

DIRECTOR OF RESEARCH

Prof. R. N. Parkins

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Fundamental aspects
Chemical and petroleum industry
Power generation industry
Stress corrosion cracking

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 220
Date of record:June 1988

University of Nottingham
Department of Metallurgy and Materials Science
University Park
Nottingham, NG7 2RD
U.K.

Tel:

DIRECTOR OF RESEARCH

Prof. J. S. Llewelyn Leach

KEY PERSONNEL

Dr. P. J. Boden

MAJOR AREAS OF RESEARCH

Fundamental aspects
Cathodic/anodic protection
Inhibitors
Coatings
Marine corrosion
Chemical and petroleum industry
Power generation industry
Corrosion fatigue

RESEARCH DETAILS

Fretting and corrosion fatigue

COMMENTS

Dr. P. J. Boden also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 221
Date of record:June 1988

University of Oxford
Department of Metallurgy and Science of Materials
Parks Road
Oxford, OX1 3PH
U.K.

Tel:

DIRECTOR OF RESEARCH

Dr. J. M. Sykes

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Inhibitors
Coatings
Chemical and petroleum industry
Power generation industry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 222
Date of record:June 1988

Sheffield City Polytechnic
Department of Metallurgy
Pond Street

Sheffield, S1 1WB
U.K.

Tel:

DIRECTOR OF RESEARCH

Dr. E. Jackson

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Inhibitors
High temperature

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS Record number 223
---------------------------- Date of record:June 1988

University of Southampton
Department of Chemistry
Highfield
Southampton, SO9 5NH
U.K.

Tel:

DIRECTOR OF RESEARCH

Prof. M. Fleischmann

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Fundamental aspects
Coatings
Marine corrosion
High temperature

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS Record number 224
---------------------------- Date of record:June 1988

University of Surrey
Department of Materials Science and Engineering

Guildford, Surrey GU2 5XH

U.K.

Tel:

DIRECTOR OF RESEARCH

Prof. J. E. Castle

KEY PERSONNEL

Dr. Chamberlain

MAJOR AREAS OF RESEARCH

Fundamental aspects
Inhibitors
Marine corrosion
Chemical and petroleum industry
Power generation industry

RESEARCH DETAILS

Microbial corrosion and copper-nickel alloys

COMMENTS

Dr. Chamberlain also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 225
Date of record:June 1988

Trent Polytechnic
Department of Industry and Production Engineering
Burton Street
Nottingham, NG1 4BU
U.K.

Tel:

DIRECTOR OF RESEARCH

Dr. D. J. Mills

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Coatings

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 226
Date of record:June 1988

University of Ulster
Department of Chemistry

Coleraine, Co. Londonderry BT521SA
U.K.

Tel:

DIRECTOR OF RESEARCH

Dr. N. M. D. Brown

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Fundamental aspects
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 227
Date of record:June 1988

University of Wales, University College of Swansea
Department of Metallurgy and Materials Technology
Singleton Park
Swansea, SA2 8PP
U.K.

Tel:

DIRECTOR OF RESEARCH

Dr. D. E. Davies

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Stress corrosion cracking

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 228
Date of record:June 1988

Alcan International Ltd.

Banbury, Oxfordshire
U.K.

Tel:

DIRECTOR OF RESEARCH

Dr. G. M. Scamans

KEY PERSONNEL

Dr. N. J. H. Holroyd

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
Marine corrosion
High temperature
Potable and cooling water systems
Batteries and fuel cells
Research techniques

RESEARCH DETAILS

Aluminum battery development
Offshore industry problems
Aerospace industry problems
Motor vehicle problems
Packaging industry problems

COMMENTS

Dr. N. J. H. Holroyd also directs corrosion research

INSTITUTION NAME AND ADDRESS

British Coal
Coal Research Establishment
Stoke Orchard
Cheltenham, Gloucestershire GL524RZ
U.K.

Record number 229
Date of record:June 1988

Tel:

DIRECTOR OF RESEARCH

Dr. D. M. Lloyd

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Coatings
Soil corrosion

High temperature
Hot corrosion
Chemical and petroleum industry
Power generation industry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 230
Date of record:June 1988

British Gas PLC
R & D Division, Watson House Research Station
Peterborough Road
Fulham, London SW6 3HN
U.K.

Tel:

DIRECTOR OF RESEARCH

Dr. R. L. Stevens

KEY PERSONNEL

Dr. D. F. Nuttall

MAJOR AREAS OF RESEARCH

Inhibitors
Coatings

RESEARCH DETAILS

Waterside corrosion

COMMENTS

Dr. D. F. Nuttall also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 231
Date of record:June 1988

British Petroleum (BP)
Research Centre

Sunbury,
U.K.

Tel:

DIRECTOR OF RESEARCH

Dr. D. Harrop

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
Soil corrosion
Marine corrosion
High temperature
Hot corrosion
Chemical and petroleum industry
Stress corrosion cracking
Corrosion fatigue
Research techniques

RESEARCH DETAILS

Lubricants/cutting fluids

COMMENTS

INSTITUTION NAME AND ADDRESS ---------------------------- Record number 232
Date of record: June 1988

Central Electricity Generating Board
Berkeley Nuclear Laboratories

Berkeley, Gloucestershire GL135PB
U.K.

Tel:

DIRECTOR OF RESEARCH

Dr. K. A. Simpson

KEY PERSONNEL

Dr. H. E. Evans

MAJOR AREAS OF RESEARCH

Fundamental aspects
High temperature
Power generation industry
Aqueous corrosion
Research techniques

RESEARCH DETAILS

COMMENTS

Dr. H. E. Evans also directs corrosion research

INSTITUTION NAME AND ADDRESS Record number 233

Date of record:June 1988

Department of the Environment
Building Research Establishment
Garston
Watford, WD2 7JR
U.K.

Tel:

DIRECTOR OF RESEARCH

Dr. L. H. Everett

KEY PERSONNEL

K. W. J. Treadway

MAJOR AREAS OF RESEARCH

Atmospheric corrosion
Corrosion in concrete

RESEARCH DETAILS

Atmospheric corrosion of building materials
Corrosion of metals in buildings
Corrosion of reinforced concrete
Ground anchors

COMMENTS

K. W. J. Treadway also directs corroaion research

INSTITUTION NAME AND ADDRESS

Record number 234
Date of record:June 1988

General Electric Co.
Hirst Research Centre
East Lane
Wembley, Middlesex
U.K.

Tel:

DIRECTOR OF RESEARCH

Dr. I. Christie

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Coatings
Atmospheric corrosion
Electronics industry
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 235
Date of record:June 1988

Harwell Laboratory
Materials Development Division

Didcot, Oxfordshire OX110RA
U.K.

Tel:

DIRECTOR OF RESEARCH

Dr. M. J. Bennett

KEY PERSONNEL

Dr. G. P. Marsh

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
Soil corrosion
Marine corrosion
High temperature
Chemical and petroleum industry
Power generation industry
Electronics industry
Potable and cooling water systems
Research techniques

RESEARCH DETAILS

COMMENTS

Dr. G. P. Marsh also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 236
Date of record:June 1988

ICI Chemicals and Polymers Group
Research and Technology Department

U.K.

Tel:

DIRECTOR OF RESEARCH

P. J. Moreland

KEY PERSONNEL

N. L. Thomas and N. Winterton

MAJOR AREAS OF RESEARCH

Fundamental aspects
Cathodic/anodic protection
Inhibitors
Coatings
Chemical and petroleum industry

RESEARCH DETAILS

COMMENTS

N. L. Thomas and N. Winterton also direct corrosion research

INSTITUTION NAME AND ADDRESS

Record number 237
Date of record:June 1988

ICI Chemicals and Polymer Group
Physics and Radioisotopes Services

Billingham,
U.K.

Tel:

DIRECTOR OF RESEARCH

Dr. J.S. Charlton

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Inhibitors
Chemical and petroleum industry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 238
Date of record:June 1988

ICI Chemicalsand Polymers Group
Research and Technology Department

Wilton,
U.K.

Tel:

DIRECTOR OF RESEARCH

Dr. I.G. Cuck

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Inhibitors
Chemical and petroleum industry
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS Record number 239
---------------------------- Date of record:June 1988
ICI PLC
Engineering Department, Billingham/Winnington Laboratories

U.K.

Tel:

DIRECTOR OF RESEARCH

Dr. J. A. Richardson

KEY PERSONNEL

Dr. D. M. Street

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
New materials for corrosion
Chemical and petroleum industry
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

Dr. D. M. Street also directs corrosion research

INSTITUTION NAME AND ADDRESS Record number 240
---------------------------- Date of record:June 1988
North East Wales Institute of Higher Education
School of Natural Sciences
Deeside

Connah's Quay, Clwyd CH5 4BR
U.K.

Tel:

DIRECTOR OF RESEARCH

Dr. J. Wolstenholme

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

National Coal Board
Headquarters Technical Department
Ashby Road, Stanhope Bretby
Burton-on-Trent, Staffordshire DE150QD
U.K.

Record number 241
Date of record:June 1988

Tel:

DIRECTOR OF RESEARCH

P. Kenny

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Atmospheric corrosion
Soil corrosion
Power generation industry

RESEARCH DETAILS

Power generating industry (mining)

COMMENTS

INSTITUTION NAME AND ADDRESS

National Physical Laboratory
Division of Materials Applications

Teddington, Middlesex TW110LW
U.K.

Record number 242
Date of record:June 1988

Tel:

DIRECTOR OF RESEARCH

Dr. P. E. Francis

KEY PERSONNEL

A. D. Mercer

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Inhibitors
Atmospheric corrosion
Soil corrosion
Stress corrosion cracking
Corrosion fatigue

RESEARCH DETAILS

Corrosion under heat transfer

COMMENTS

A. D. Mercer also directs corrosion research

INSTITUTION NAME AND ADDRESS — Record number 243
Date of record:June 1988

Paint Research Association

Waldegrave Road
Teddington, Middlesex TW118LD
U.K.

Tel:

DIRECTOR OF RESEARCH

A. F. Sherwood

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Cathodic/anodic protection
Inhibitors
Coatings

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 244
Date of record:June 1988

Shell Thornton Research Centre

P.O. Box 1
Chester, CH1 3SH
U.K.

Tel:

DIRECTOR OF RESEARCH

E. B. Shone

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
Marine corrosion
High temperature
Hot corrosion
Chemical and petroleum industry
Power generation industry
Potable and cooling water systems
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 245
Date of record:June 1988

Department of Transport
Transport and Road Research Laboratory

U.K.

Tel:

DIRECTOR OF RESEARCH

Dr. R. Woodward

KEY PERSONNEL

Dr. P. Vassie

MAJOR AREAS OF RESEARCH

Corrosion in concrete

RESEARCH DETAILS

Reinforced concrete
Steel bridges

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 246
Date of record:June 1988

United Kingdom Atomic Energy Authority
Atomic Energy Research Establishment
Harwell
Didcot, Oxfordshire OX110RA
U.K.

Tel:

DIRECTOR OF RESEARCH

Dr. R. M. Dell

KEY PERSONNEL

Dr. D. T. Livey

MAJOR AREAS OF RESEARCH

Fundamental aspects
Coatings
High temperature
Power generation industry

RESEARCH DETAILS

Corrosion fouling

COMMENTS

Dr. D. T. Livey also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 247
Date of record:June 1988

United Kingdom Atomic Energy Authority
Windscale Nuclear Power Development Laboratories
Sellafield
Seascale, Cumbria CA201PF
U.K.

Tel:

DIRECTOR OF RESEARCH

J. T. Wilson

KEY PERSONNEL

A. Garlick

MAJOR AREAS OF RESEARCH

Power generation industry

RESEARCH DETAILS

COMMENTS

A. Garlick also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 248
Date of record:June 1988

Technical University of Gdansk

Poland

Tel:

DIRECTOR OF RESEARCH

Prof.Dr. R. Juchniewicz

KEY PERSONNEL

12 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Cathodic/anodic protection
Soil corrosion
Marine corrosion
Chemical and petroleum industry
Power generation industry
Electronics industry
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 249
Date of record:June 1988

Maritime Institute

Gdansk,
Poland

Tel:

DIRECTOR OF RESEARCH

Dr. A. Stankiewicz

KEY PERSONNEL

12 associates

MAJOR AREAS OF RESEARCH

Cathodic/anodic protection
New materials for corrosion
Coatings
Atmospheric corrosion
Marine corrosion
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 250
Date of record:June 1988

Ship Design and Research Centre

Waly Piastowskie 1
Gdansk, 80-958
Poland

Tel:

DIRECTOR OF RESEARCH

A. Domanski

KEY PERSONNEL

38 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Coatings
Marine corrosion
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 251
Date of record:June 1988

Polish Academy of Sciences
Institute of Physical Chemistry

Poland

Tel:

DIRECTOR OF RESEARCH

Dr. J. Flis

KEY PERSONNEL
----
18 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Inhibitors
Coatings
Chemical and petroleum industry
Hydrogen permeation and embrittlement
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS Record number 252
---------------------------- Date of record:June 1988
Technical University of Radom

Ul. Chrobrego 45
Radom, 26-600
Poland

Tel:

DIRECTOR OF RESEARCH

Prof.Dr. R. Marczak

KEY PERSONNEL
----
8 associates

MAJOR AREAS OF RESEARCH

Coatings
Atmospheric corrosion

RESEARCH DETAILS

Protective paint coatings

COMMENTS

INSTITUTION NAME AND ADDRESS Record number 253

---------------------------- Date of record:June 1988
Institute of Precision Mechanics

Poland

Tel:

DIRECTOR OF RESEARCH

Prof. A. Kozlowski

KEY PERSONNEL
----
80 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
New materials for corrosion
Coatings
Atmospheric corrosion

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS Record number 254
---------------------------- Date of record:June 1988
Technical University of Wroclaw

Poland

Tel:

DIRECTOR OF RESEARCH

Prof.Dr. J. Kubicki

KEY PERSONNEL
----
14 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Inhibitors
Coatings
Chemical and petroleum industry
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS
Record number 255
Date of record: June 1988

Academy of Mining and Metallurgy
Institute of Materials Science

Cracow,
Poland

Tel:

DIRECTOR OF RESEARCH

Prof. S. Mrowec

KEY PERSONNEL

40 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
New materials for corrosion
Coatings
High temperature
Hot corrosion

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS
Record number 256
Date of record: June 1988

Institute of Ferrous Metallurgy

Str. K. Miarki 12
Gliwice, 44-100
Poland

Tel:

DIRECTOR OF RESEARCH

Mrs. K. A. Folek

KEY PERSONNEL

7 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
New materials for corrosion
Atmospheric corrosion
Chemical and petroleum industry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 257
Date of record:June 1988

Technical University of Czestochowa
Department of General Chemistry

Poland

Tel:

DIRECTOR OF RESEARCH

Prof. H. Przewlocka

KEY PERSONNEL

11 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
New materials for corrosion
Inhibitors
High temperature
Power generation industry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 258
Date of record:June 1988

Instytut Przemyslu Tworkzyw I Farb

Chorzowska 50
Gliwice, 44-100
Poland

Tel:

DIRECTOR OF RESEARCH

E. Smieszek

KEY PERSONNEL

10 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
New materials for corrosion

Coatings
Atmospheric corrosion
Soil corrosion
Marine corrosion
Chemical and petroleum industry
Power generation industry
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS   Record number 259
----------------------------   Date of record:June 1988

Industrial Chemistry Research Institute
Corrosion Protection Department

Poland

Tel:

DIRECTOR OF RESEARCH

Prof. J. Mieluch

KEY PERSONNEL
----
30 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Inhibitors
Chemical and petroleum industry
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS   Record number 260
----------------------------   Date of record:June 1988

Warsaw University of Technology
Institute of Materials Science and Engineering

Poland

Tel:

DIRECTOR OF RESEARCH

Dr. A. Szummer

KEY PERSONNEL

8 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
New materials for corrosion
Chemical and petroleum industry
Hydrogen permeation and embrittlement

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS Record number 261
Date of record:June 1988

Choongnam National University
Corrosion Research Laboratory, Engineering Faculty
Goong-dong 220, Joong-gu, Daejeon-si
Choongnam, 300-31
Korea

Tel:

DIRECTOR OF RESEARCH

H.-R. Lee

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS Record number 262
Date of record:June 1988

Yonsei University
Corrosion & Surface Research Lab., Dept. of Metallurgical Engng.
Sinchon-dong 134, Seodaemoon-ku
Seoul, 120
Korea

Tel:

DIRECTOR OF RESEARCH

Y. S. Park

KEY PERSONNEL

Y. S. Kim, Y. H. Jin and P. G. Seong

MAJOR AREAS OF RESEARCH

Stress corrosion cracking
Passivity

RESEARCH DETAILS

Passivity of high stainless steels
Anodizing

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 263
Date of record:June 1988

Korea Institute of Machinery and Materials
Surface Treatment Laboratory
66 Sangnam-dong, Changwon
Kyungnam, 615
Korea

Tel:

DIRECTOR OF RESEARCH

S.-C. Kwon

KEY PERSONNEL

D.-Y. Chang

MAJOR AREAS OF RESEARCH

Potable and cooling water systems

RESEARCH DETAILS

Corrosion of pipes in running water at room and moderate temperatures

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 264
Date of record:June 1988

Hanyang University
Corrosion Laboratory, Dept. of Materials Engineering
17 Haengdang-dong, Seongdong-ku
Seoul, 133
Korea

Tel:

DIRECTOR OF RESEARCH

S. R. Yoon

KEY PERSONNEL

S. K. Lee and Y. S. Ko

MAJOR AREAS OF RESEARCH

Aqueous corrosion

RESEARCH DETAILS

Electrochemistry of corrosion

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 265
Date of record:June 1988

Korea Advanced Institute of Science and Technology
Corrosion & Surface Research Lab., Dept. of Materials Sci. & Eng.
P.O. Box 150, Chongryang
Seoul, 131
Korea

Tel:

DIRECTOR OF RESEARCH

Prof.Dr. S.-I. Pyun

KEY PERSONNEL

K.-T. Kim

MAJOR AREAS OF RESEARCH

Corrosion of composites and metalloids
Stress corrosion cracking

RESEARCH DETAILS

Corrosion and stress corrosion cracking of aluminum alloys and steels
Degradation of ceramic materials and polymers

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 266
Date of record:June 1988

Korea Maritime University
Corrosion Research Laboratory
Dong Sam Dong-1, Young Do Ku
Pusan, 606
Korea

Tel:

DIRECTOR OF RESEARCH

J. Dae-Hi

KEY PERSONNEL

W.-Y. Kim and K.-J. Kim

MAJOR AREAS OF RESEARCH

Cathodic/anodic protection

RESEARCH DETAILS

Cathodic protection of metal structures

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 267
Date of record:June 1988

University of Kuwait
Faculty of Science

Kuwait

Tel:

DIRECTOR OF RESEARCH

Dr. F. M. Al-Kharafi

KEY PERSONNEL

Drs. V. Jawda and F. Al-Awadi and 25 other associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
Marine corrosion
Chemical and petroleum industry
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

Drs. V. Jawda and F. Al-Awadi also direct corrosion research
The Kuwait Institute for Scientific Research, the Shuaiba Area
Authority and the Ministry of Electricity and Water, State of
Kuwait, are also included in the above

INSTITUTION NAME AND ADDRESS

Record number 268
Date of record:June 1988

National School of Mines (ENIM)

EN 17, B.P. 753
Rabat, Agdal
Morocco

Tel:

DIRECTOR OF RESEARCH

S. El Moujahid

KEY PERSONNEL

L. Essadiqui, A. Sbai, H. Hamdi, M. El Hadiri, A. Amine and El. M. Belkhadir

MAJOR AREAS OF RESEARCH

Fundamental aspects
Cathodic/anodic protection
New materials for corrosion
Coatings
Atmospheric corrosion
Marine corrosion
High temperature
Hot corrosion
Chemical and petroleum industry
Power generation industry
Steel industry
Corrosion in concrete
Batteries and fuel cells
High temperature electrochemistry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 269
Date of record:June 1988

A. D. A.

P.O. Box 2250
Haifa,
Israel

Tel:

DIRECTOR OF RESEARCH

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Coatings
Atmospheric corrosion
High temperature
Hydrogen permeation and embrittlement
Stress corrosion cracking

RESEARCH DETAILS

Hydrogen embrittlement
High temperature protective coatings
Corrosion resistant coatings

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 270

Date of record:June 1988

Ben-Gurion University
Materials Engineering Department, Faculty of Engng. Sciences

Beer-Sheva, 34105
Israel

Tel:

DIRECTOR OF RESEARCH

Prof. D. Eliezer

KEY PERSONNEL

Dr. D. Itzhak

MAJOR AREAS OF RESEARCH

Hydrogen permeation and embrittlement
Corrosion of composites and metalloids
Stress corrosion cracking

RESEARCH DETAILS

Stress corrosion and hydrogen embrittlement of stainless steels and nickel-base alloys
Corrosion of sintered materials

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 271

Date of record:June 1988

Fertilizers and Chemicals Ltd.

P.O. Box 1488
Haifa, 31013
Israel

Tel:

DIRECTOR OF RESEARCH

E. Cogan

KEY PERSONNEL

Dr. C. Fink

MAJOR AREAS OF RESEARCH

New materials for corrosion
Chemical and petroleum industry

RESEARCH DETAILS

New corrosion resistant materials for use in the chemical industry

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 272
Date of record:June 1988

IMI (TAMI)
Institute for R & D Ltd.
P.O. Box 3113
Haifa, 31022
Israel

Tel:

DIRECTOR OF RESEARCH

M. Schorr

KEY PERSONNEL

Mrs. E. Weintraub and D. Andrashi

MAJOR AREAS OF RESEARCH

Erosion/corrosion
Stress corrosion cracking
Localised corrosion
Aqueous corrosion

RESEARCH DETAILS

Erosion-corrosion in chemical and mineral slurries

Corrosion in phosphoric acid systems
Corrosion in organic solvent solutions

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 273
Date of record:June 1988

Technion-Israel Institute of Technology

Israel Institute of Metals

Haifa, 32000
Israel

Tel:

DIRECTOR OF RESEARCH

Dr. J. Zahavi

KEY PERSONNEL

Drs. L. Gal-Or and M. Fishman, Mrs. S. Tamir, Mrs. M. Rotel, Mrs. B. Calmanovitz, S. Liubovitz and R. Findlar

MAJOR AREAS OF RESEARCH

Inhibitors
Coatings
Electronics industry
Potable and cooling water systems
Medical and dental applications
Corrosion of composites and metalloids
Localised corrosion
Aqueous corrosion

RESEARCH DETAILS

Corrosion of microelectronic systems
Failure analysis
Corrosion inhibitors in cooling water systems
Bromine corrosion
Corrosion protective coatings
Electrodeposited metallic and electrophoretic ceramics
Corrosion of surgical implants

COMMENTS

Dr. L. Gal-Or also directs corrosion research

INSTITUTION NAME AND ADDRESS

Paint Research Association

Record number 274
Date of record:June 1988

Technion City
Haifa, 32000
Israel

Tel:

DIRECTOR OF RESEARCH

W. Rothschild

KEY PERSONNEL
----
3 associates

MAJOR AREAS OF RESEARCH

Coatings

RESEARCH DETAILS

Paint/anti-corrosive pigments

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 275
Date of record:June 1988

Solmat Systems Ltd.

P.O. Box 68
Yavne, 70650
Israel

Tel:

DIRECTOR OF RESEARCH

Dr. M. Grassiani

KEY PERSONNEL

R. Shamir

MAJOR AREAS OF RESEARCH

Fundamental aspects
Aqueous corrosion

RESEARCH DETAILS

Corrosion mechanisms in hyper-saline solutions

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 276
Date of record:June 1988

Technion-Israel Institute of Technology
Department of Materials Engineering

Haifa, 32000
Israel

Tel:

DIRECTOR OF RESEARCH

Prof. J. Yahalom

KEY PERSONNEL

2 associates

MAJOR AREAS OF RESEARCH

Coatings
Passivity
Aqueous corrosion

RESEARCH DETAILS

Transpassivity
Metallic corrosion protective coatings
Corrosion and protection of maraging steels
Thermogalvanic corrosion

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 277
Date of record:June 1988

Industrial Technology Research Institute
Materials Research Laboratories
195-5 Chung-hsing Road, Section 4, Chutung
Hsinchu, 311
Taiwan

Tel:

DIRECTOR OF RESEARCH

Dr. H.-S. Chen

KEY PERSONNEL

P. C. K. Chung, Y.-C. Oung, H.-H. Wang , H.-C. Lai, K.-C. Tsai and W.-Y. Mao

MAJOR AREAS OF RESEARCH

Power generation industry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 278
Date of record:June 1988

Chung Lhan Institute of Science and Technology
Materials R & D Laboratory
P.O. Box 1-26-3, Lung-Tan
Taoyuan,
Taiwan

Tel:

DIRECTOR OF RESEARCH

KEY PERSONNEL

H.-K. Juang, L.-C. Chen and C.-C. Lin

MAJOR AREAS OF RESEARCH

Hot corrosion
Stress corrosion cracking
Corrosion fatigue
Localised corrosion
Passivity

RESEARCH DETAILS

Passivity and pitting of metals
Hot corrosion of In-713 LC alloy
Stress corrosion and corrosion fatigue of aluminum
alloys and stainless steels

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 279
---------------------------- — Date of record:June 1988

Berlin Co. Ltd.
Corrosion Engineering Research Laboratory
43 Ta-Yeh South Road, Hsaio-Kang Area
Kaohsiung,
Taiwan

Tel:

DIRECTOR OF RESEARCH

W. Y. Chen

KEY PERSONNEL

J. Y. Wu, C. C. Kup, Y. S. Shiau and S. S. Yen

MAJOR AREAS OF RESEARCH

Cathodic/anodic protection
Coatings
Marine corrosion

RESEARCH DETAILS

Corrosion and corrosion prevention of structures
on the coastal
zone in the Taiwan marine environment
Anticorrosion engineering, e.g. painting,
coatings, lining acid
cleaning and cathodic protection

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 280
Date of record:June 1988

China Steel Corp.
Corrosion Research Laboratories, R & D Department
P.. Box 47-29, Lin Hai Industrial District, Hsaio Kang
Kaohsiung, 812
Taiwan

Tel:

DIRECTOR OF RESEARCH

J. Y. Wu

KEY PERSONNEL

Y. C. Chen, C. S. Yu, Y. N. Chang and Y. Kuo

MAJOR AREAS OF RESEARCH

New materials for corrosion
Coatings
High temperature
Hot corrosion

RESEARCH DETAILS

Anticorrosion engineering
Corrosion resistant steels development
Oxidation/sulphidation behaviour
Surface treatment
Coating product development

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 281
Date of record:June 1988

National Chiao Tung University
Corrosion Research Laboratory, Dept. of Mechanical Engineering
1001 Ta Hsueh Road
Hsinchu, 300
Taiwan

Tel:

DIRECTOR OF RESEARCH

G. C. Tu

KEY PERSONNEL

C.-T. Kuo and C.-P. Chou

MAJOR AREAS OF RESEARCH

Corrosive wear
Localised corrosion

RESEARCH DETAILS

Surface treatment
Effect of mechanical factors on corrosion

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 282
Date of record:June 1988

National Tsing Hua University
Nuclear Materials Group, Dept. of Nuclear Engineering
855 Kuang Fu Road
Hsinchu, 300
Taiwan

Tel:

DIRECTOR OF RESEARCH

C.H. Tsai

KEY PERSONNEL

G.-P. Yu, S.-S. Hsu, K.-Y. Huang and C.-T. Yang

MAJOR AREAS OF RESEARCH

Fundamental aspects
High temperature
Stress corrosion cracking
Aqueous corrosion

RESEARCH DETAILS

Stress corrosion cracking of Inconel 600 and Zircaloy
Modelling of stress corrosion cracking
Oxidation kinetics of zircaloy-4 in steam
The effect of heat treatment on the microstructure and corrosion resistance of zircaloy-4
The corrosion behaviour of nickel-chromium-iron alloys in liquid radwaste concentrator environments

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 283
Date of record:June 1988

Academia Sinica
Corrosion Research Laboratory, Shanghai Institute of Metallurgy
865 Shang Ning Road
Shanghai, 200050
China

Tel:

DIRECTOR OF RESEARCH

Prof. S.-T. Shih

KEY PERSONNEL

J. Chen, L. Wen, T. Cao, N. Xu, Y. Huang and 70 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Coatings
High temperature
Hot corrosion
Chemical and petroleum industry
Power generation industry
Potable and cooling water systems
Stress corrosion cracking
Corrosion fatigue
Aqueous corrosion
Research techniques

RESEARCH DETAILS

Electrochemistry
Surfaces and interfaces
Protective coatings

COMMENTS

INSTITUTION NAME AND ADDRESS

Academia Sinica
Institute of Corrosion and Protection of Metals

China

Record number 284
Date of record: June 1988

Tel:

DIRECTOR OF RESEARCH

W. Ke

KEY PERSONNEL
----
120 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion

Soil corrosion
Marine corrosion
High temperature
Hot corrosion
Chemical and petroleum industry
Power generation industry
Stress corrosion cracking
Corrosion fatigue
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS   Record number   285
----------------------------   Date of record:June 1988

Luoyang Institute of Ship Building Materials Research

China

Tel:

DIRECTOR OF RESEARCH

G. Chen

KEY PERSONNEL
----
62 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Coatings
Marine corrosion
High temperature
Hot corrosion
Chemical and petroleum industry
Power generation industry
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS   Record number   286
----------------------------   Date of record:June 1988

Wuhan Iron and Steel Co.
Iron and Steel Research Institute

China

Tel:

DIRECTOR OF RESEARCH

H. Chai

KEY PERSONNEL
----
10 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Coatings
Atmospheric corrosion
Marine corrosion
Chemical and petroleum industry
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Zhejiang Institute of Technology

Record number 287
Date of record:June 1988

China

Tel:

DIRECTOR OF RESEARCH

K. Zhang

KEY PERSONNEL
----
10 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Chemical and petroleum industry
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Dalian Institute of Technology

China

Record number 288
Date of record:June 1988

Tel:

DIRECTOR OF RESEARCH

S. Huo

KEY PERSONNEL
----
14 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Soil corrosion
Marine corrosion
Chemical and petroleum industry
Potable and cooling water systems
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Nanjing Institute of Chemical Technology
Corrosion & Corrosion Control Research Lab., Applied Chem. Dept.
5 New Model Road
Nanjing, Jiangsu 210009
China

Record number 289
Date of record:June 1988

Tel:

DIRECTOR OF RESEARCH

Z. Yang

KEY PERSONNEL

B.-M. Wei, S.-C. Li, L. Tang, Y.-M. Diao, Y.-F. Zhou, Z.-Z. Xia, Y.-H. Fang, L. Ho, K. Ling, S. Ma, Z. B. Liu and 40 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
High temperature
Chemical and petroleum industry
Power generation industry
Potable and cooling water systems
Localised corrosion
Research techniques

RESEARCH DETAILS

Electrochemical techniques for corrosion rate measurement

COMMENTS

B.-M. Wei also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 290
Date of record:June 1988

Hunan University
Department of Chemistry and Chemical Engineering

China

Tel:

DIRECTOR OF RESEARCH

S. Kuang

KEY PERSONNEL

14 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
Chemical and petroleum industry
Electronics industry
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 291
Date of record:June 1988

Xiamen University
Electrochemical Research Lab., Institute of Physical Chemistry

Xiamen, Fujian
China

Tel:

DIRECTOR OF RESEARCH

Z.-W. Tian

KEY PERSONNEL

D.-D. Huang, Z.-H. Lin, C.-J. Lin and 20 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
Inhibitors
Coatings
Localised corrosion
Passivity
Research techniques

RESEARCH DETAILS

New instrumental methods for studying corrosion
Passivity and localized corrosion of metals

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 292
Date of record:June 1988

Beijing Institute of Aeronautics and Astronautics

Beijing,
China

Tel:

DIRECTOR OF RESEARCH

Y. Zhu

KEY PERSONNEL

23 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Inhibitors

Coatings
Atmospheric corrosion
High temperature
Hot corrosion
Electronics industry
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Shandong Polytechnic University

China

Tel:

Record number 293
Date of record:June 1988

DIRECTOR OF RESEARCH

X. Yang

KEY PERSONNEL
----
13 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
Marine corrosion
Power generation industry
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Beijing Institute of Aeronautical Materials

Beijing,
China

Tel:

Record number 294
Date of record:June 1988

DIRECTOR OF RESEARCH

X. Xiao

KEY PERSONNEL

48 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
High temperature
Hot corrosion
Chemical and petroleum industry
Power generation industry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 295
Date of record:June 1988

Wuhan University
Department of Environmental Science

China

Tel:

DIRECTOR OF RESEARCH

L. Yao

KEY PERSONNEL

10 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Inhibitors
Atmospheric corrosion
Marine corrosion
Chemical and petroleum industry
Potable and cooling water systems
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Chinese Academy of Railway Sciences
Metals and Chemistry Research Institute

China

Tel:

Record number 296
Date of record:June 1988

DIRECTOR OF RESEARCH

S. Xi

KEY PERSONNEL
----
9 associates

MAJOR AREAS OF RESEARCH

Inhibitors
Coatings
Atmospheric corrosion
Potable and cooling water systems
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Qingdao Laboratory for Marine Corrosion

China

Tel:

Record number 297
Date of record:June 1988

DIRECTOR OF RESEARCH

X. Zhu

KEY PERSONNEL
----
21 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
Coatings
Atmospheric corrosion

Marine corrosion
Electronics industry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Shanghai Iron and Steel Research Institute

Record number 298
Date of record:June 1988

Shanghai,
China

Tel:

DIRECTOR OF RESEARCH

L. Feng

KEY PERSONNEL
----
8 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
New materials for corrosion
Coatings
Marine corrosion

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Wuhan Research Institute of Materials Protection

Record number 299
Date of record:June 1988

China

Tel:

DIRECTOR OF RESEARCH

Y. Fang

KEY PERSONNEL
----
14 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
Marine corrosion
High temperature
Hot corrosion
Chemical and petroleum industry
Power generation industry
Electronics industry
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 300
Date of record:June 1988

Academia Sinica
Nanjing Institute of Soil Science

China

Tel:

DIRECTOR OF RESEARCH

J. Wu

KEY PERSONNEL
----
4 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Cathodic/anodic protection
Soil corrosion

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 301
Date of record:June 1988

Academia Sinica
Institute of Oceanology

China

Tel:

DIRECTOR OF RESEARCH

S. Ma

KEY PERSONNEL
----
13 associates

MAJOR AREAS OF RESEARCH

Cathodic/anodic protection
Inhibitors
Marine corrosion
Chemical and petroleum industry
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS Record number 302
---------------------------- Date of record:June 1988
Academia Sinica
Fujian Institute of Research on the Structure of Matter
Xiamen Branch

China

Tel:

DIRECTOR OF RESEARCH

C. Xu

KEY PERSONNEL
----
40 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
Soil corrosion
Marine corrosion
Chemical and petroleum industry
Power generation industry
Electronics industry
Potable and cooling water systems
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 303
Date of record:June 1988

Shanghai Research Institute of Materials
Dept. of Metallic Corrosion and Protection
99 Handan Road
Shanghai,
China

Tel:

DIRECTOR OF RESEARCH

W. Yang

KEY PERSONNEL

M.-D. Wu, K.-X. Xu, C.-E Zhao, J. Yu and 29 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Coatings
Marine corrosion
Hot corrosion
Chemical and petroleum industry
Power generation industry
Potable and cooling water systems
Environmental cracking
Hydrogen permeation and embrittlement
Stress corrosion cracking
Corrosion fatigue
Localised corrosion
Passivity
Research techniques

RESEARCH DETAILS

Corrosion resistant materials
Passivity of metals and alloys

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 304
Date of record:June 1988

Beijing University of Iron and Steel Technology
Stress Corrosion Lab., Research Institute of Material Failure

China

Tel:

DIRECTOR OF RESEARCH

C.-M. Hsaio

KEY PERSONNEL

W.-Y. Chu, Z.-Z. Tien, S. Lin and 20 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Hydrogen permeation and embrittlement
Stress corrosion cracking
Research techniques

RESEARCH DETAILS

Hydrogen induced cracking

COMMENTS

INSTITUTION NAME AND ADDRESS

Beijing Institute of Chemical Technology

Record number 305
Date of record:June 1988

Beijing,
China

Tel:

DIRECTOR OF RESEARCH

J. Zuo

KEY PERSONNEL
----
27 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
High temperature
Hot corrosion
Chemical and petroleum industry
Potable and cooling water systems
Erosion/corrosion
Stress corrosion cracking
Research techniques

RESEARCH DETAILS

Intergranular corrosion

COMMENTS

INSTITUTION NAME AND ADDRESS
Record number 306
Date of record:June 1988

Huazhong University of Science and Technology
Department of Chemistry

China

Tel:

DIRECTOR OF RESEARCH

K. Ye

KEY PERSONNEL

12 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Cathodic/anodic protection
Inhibitors
Coatings
Biological corrosion
Chemical and petroleum industry

RESEARCH DETAILS

Microbial corrosion

COMMENTS

INSTITUTION NAME AND ADDRESS
Record number 307
Date of record:June 1988

National Bureau of Oceanography
Marine Corrosion Laboratory, Third Institute of Oceanography
P.O. Box 70
Xiamen, Fujian
China

Tel:

DIRECTOR OF RESEARCH

R. Lin

KEY PERSONNEL

Y. Lin, X. Hong, D. Li and D. Ye

MAJOR AREAS OF RESEARCH

Biological corrosion
Marine corrosion

RESEARCH DETAILS

Corrosion by marine fouling organisms

COMMENTS

Y. Lin also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 308
Date of record:June 1988

Tianjin University
Electrochemistry Lab., Dept. of Applied Chemistry
92 Weijin Road, Nankai District
Tianjin,
China

Tel:

DIRECTOR OF RESEARCH

S. Song

KEY PERSONNEL

M. Chen, Z. Wang and W. Chen

MAJOR AREAS OF RESEARCH

Fundamental aspects
Research techniques

RESEARCH DETAILS

Metal corrosion mechanisms
Metal corrosion research methods

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 309
Date of record:June 1988

Tianjin University
Corrosion Control Lab., Dept. of Applied Chemistry
92 Weijin Road, Nankai District
Tianjin,
China

Tel:

DIRECTOR OF RESEARCH

M. Shi

KEY PERSONNEL

Z. Sun

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
High temperature

RESEARCH DETAILS

Geothermal corrosion
Corrosion control

COMMENTS

INSTITUTION NAME AND ADDRESS ---------------------------- Record number 310
Date of record:June 1988

Chongqing University
Corrosion Research Laboratory, Applied Chemistry Department

Chongqing, Sichuan
China

Tel:

DIRECTOR OF RESEARCH

Z.-Q. Huang

KEY PERSONNEL

S. F. Xie and Z. C. Zhang

MAJOR AREAS OF RESEARCH

Passivity

RESEARCH DETAILS

Surface film growth of metals and alloys

COMMENTS

INSTITUTION NAME AND ADDRESS ---------------------------- Record number 311
Date of record:June 1988

Ministry of Metallurgical Industry
Corrosion & Protection Res. Lab., Central Res. Inst. Bldg. Const.
43 Xue Yuan Lu
Beijing,
China

Tel:

DIRECTOR OF RESEARCH

L. Z. Xu

KEY PERSONNEL

N. Hong and X. Zhang

MAJOR AREAS OF RESEARCH

Corrosion in concrete

RESEARCH DETAILS

Corrosion of steel in concrete
Corrosion of engineering materials

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 312
Date of record: June 1988

Academia Sinica
Institute of Corrosion and Protection of Metals
2-6 Wenhua Road
Shenyang,
China

Tel:

DIRECTOR OF RESEARCH

C. H. Shih

KEY PERSONNEL

C. Cao, Y. Du, W. Ke, T. Li, S. Liu, Y. Shan and W. Wu

MAJOR AREAS OF RESEARCH

Inhibitors
Coatings
Atmospheric corrosion
Soil corrosion
Marine corrosion
High temperature
Hot corrosion
Corrosive wear
Aqueous corrosion
Research techniques

RESEARCH DETAILS

Electrochemistry
Mechano-chemical corrosion
Surface protection of materials
Corrosion inhibitors
Anticorrosive paints
Corrosion in natural environments
Corrosion metallography

COMMENTS

INSTITUTION NAME AND ADDRESS   Record number   313
----------------------------   Date of record:June 1988

Ministry of Machine Building
Corrosion Research Laboratory, General Machinery Research Inst.
Shu Shan Raod, Hefei
Anhui,
China

Tel:

DIRECTOR OF RESEARCH

J. H. Huang

KEY PERSONNEL

L. X. Ren

MAJOR AREAS OF RESEARCH

Marine corrosion
Chemical and petroleum industry
Stress corrosion cracking
Corrosion fatigue
Localised corrosion
Aqueous corrosion

RESEARCH DETAILS

Intergranular corrosion
Electrochemical corrosion
Corrosion of metals and stainless steel

COMMENTS

INSTITUTION NAME AND ADDRESS   Record number   314
----------------------------   Date of record:June 1988

Zhejiang Institute of Technology
Corrosion Teaching and Research Group

Hang Zhow,
China

Tel:

DIRECTOR OF RESEARCH

J. Xu

KEY PERSONNEL

Y.-L. Xiao and P. Liu

MAJOR AREAS OF RESEARCH

Hydrogen permeation and embrittlement
Stress corrosion cracking

RESEARCH DETAILS

Stress corrosion cracking and hydrogen
embrittlement of metals and alloys

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 315
Date of record: June 1988

Wuhan Iron and Steel Co.
Corrosion Research Lab., Iron and Steel Research Institute
10 Yejin Road, Qing Shan District
Wuhan, Hubei
China

Tel:

DIRECTOR OF RESEARCH

H.-C. Cai

KEY PERSONNEL

X.-M. Kong, Z.-G. Cao, Z.-Y. Wang, Z.-R. Yang and R. Nie

MAJOR AREAS OF RESEARCH

Coatings
Atmospheric corrosion
Marine corrosion
Stress corrosion cracking
Aqueous corrosion

RESEARCH DETAILS

Atmospheric, marine and stress corrosion of metals

Electrochemical measurements
Processing and properties of coated plates

COMMENTS

X.-M. Kong also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 316
Date of record: June 1988

Academia Sinica
Corrosion Research Lab., Shanghai Institute of Metallurgy
865 Chang Ning Road
Shanghai,
China

Tel:

DIRECTOR OF RESEARCH

S. Shih

KEY PERSONNEL

Y. Huang, J. Chen and N. Naixing

MAJOR AREAS OF RESEARCH

High temperature
Hot corrosion
Aqueous corrosion

RESEARCH DETAILS

Electrochemistry of metallic corrosion

COMMENTS

Y. Huang also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 317
Date of record:June 1988

Zhejiang Institute of Technology
Corrosion & Protection Lab., Dept. of Mechanical Engineering
Hangzhou
Zhejiang,
China

Tel:

DIRECTOR OF RESEARCH

J.-Y. Zhang

KEY PERSONNEL

X.-R. Chen, Y.-C. Wang and Y.-Q. Zhang

MAJOR AREAS OF RESEARCH

Inhibitors
Hydrogen permeation and embrittlement
Stress corrosion cracking

RESEARCH DETAILS

Hydrogen embrittlement

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 318
Date of record:June 1988

Baoji Non-Ferrous Metal Institute
Corrosion and Protection Research Laboratory
P.O. Box 71,
Baoji City, Shaanxi
China

Tel:

DIRECTOR OF RESEARCH

Q. Li

KEY PERSONNEL

J. Yu, Z. Tian, Z. Li and H. Pan

MAJOR AREAS OF RESEARCH

High temperature
Aqueous corrosion

RESEARCH DETAILS

Corrosion and protection of rare metals

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 319
Date of record: June 1988

University of Oslo
Department of Chemistry
P.O. Box 1033, Blindern
Oslo 3, 0315
Norway

Tel:

DIRECTOR OF RESEARCH

P. Kofstad

KEY PERSONNEL

T. Hurlen and 6 associates plus varying numbers of students

MAJOR AREAS OF RESEARCH

Fundamental aspects
High temperature
Hot corrosion
Chemical and petroleum industry
Research techniques

RESEARCH DETAILS

COMMENTS

T. Hurlen also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 320
Date of record: June 1988

International Farvefabrik A/S

Michael Kronns gate 59, Postboks 2384

Solheimsvik, 5037
Norway

Tel: (05) 29 80 00

DIRECTOR OF RESEARCH

L. Korsoen

KEY PERSONNEL

G. Berstrom and 2-3 associates

MAJOR AREAS OF RESEARCH

Coatings
Atmospheric corrosion
Marine corrosion
Chemical and petroleum industry

RESEARCH DETAILS

COMMENTS

G. Bergstrom also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 321
Date of record:June 1988

State Power Board

Box 5091 Majorstua
Oslo 3, 0301
Norway

Tel:

DIRECTOR OF RESEARCH

A. Rinvoll

KEY PERSONNEL

R. Hartmann and 2 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
New materials for corrosion
Coatings
Atmospheric corrosion
Power generation industry
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

R. Hartmann also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 322
Date of record:June 1988

Norwegian Building Research Institute

Postboks 322, Blindern
Oslo 3, 0314
Norway

Tel:

DIRECTOR OF RESEARCH

H. C. Gran

KEY PERSONNEL

T. Isaksen, A. Kjennerud and 3 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Atmospheric corrosion

RESEARCH DETAILS

COMMENTS

T. Isaksen and A. Kjennerud also direct corrosion research

INSTITUTION NAME AND ADDRESS

Record number 323
Date of record:June 1988

STI - National Institute of Technology

Postboks 8116
Oslo 1, 0032
Norway

Tel:

DIRECTOR OF RESEARCH

P. Ivan

KEY PERSONNEL

5 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
Soil corrosion
Marine corrosion

Power generation industry
Electronics industry
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS ---------------------------- SINTEF/NTH
The Corrosion Centre

Norway

Tel:

Record number 324
Date of record: June 1988

DIRECTOR OF RESEARCH

E. Bardal

KEY PERSONNEL

K. Nisancioglu and 25 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Soil corrosion
Biological corrosion
Marine corrosion
Hot corrosion
Chemical and petroleum industry
Power generation industry
Potable and cooling water systems
Corrosion in concrete
Research techniques

RESEARCH DETAILS

Reinforcement corrosion
Expert systems
Light metals corrosion

COMMENTS

K. Nisancioglu also directs corrosion research

INSTITUTION NAME AND ADDRESS ---------------------------- The Norwegian Institute of Technology, NTH

Record number 325
Date of record: June 1988

Division of Building Materials

Norway

Tel:

DIRECTOR OF RESEARCH

Prof.Dr. O. E. Gjoerv

KEY PERSONNEL
----
1 associate

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Atmospheric corrosion
Marine corrosion
Corrosion in concrete
Research techniques

RESEARCH DETAILS

Reinforced and prestressed concrete

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 326

Date of record:June 1988

Senter for Industriforskning

Postboks 350, Blindern
Oslo 3, 0314
Norway

Tel: (02) 45 20 10

DIRECTOR OF RESEARCH

D. Slotfeldt-Ellingsen

KEY PERSONNEL
----
3 - 5 part-time associates

MAJOR AREAS OF RESEARCH

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 327

---------------------------- Date of record:June 1988
Institute for Energy Technology

Box 40
Kjeller, 2007
Norway

Tel:

DIRECTOR OF RESEARCH

K. Videm

KEY PERSONNEL
----
8 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Inhibitors
Chemical and petroleum industry
Power generation industry
Electronics industry
Potable and cooling water systems
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS Record number 328
---------------------------- Date of record:June 1988
Scandinavian Institute of Dental Materials, NIOM

Norway

Tel:

DIRECTOR OF RESEARCH

R. Holland

KEY PERSONNEL
----
4 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Medical and dental applications
Research techniques

RESEARCH DETAILS

Development of methods applicable in tests for certification of dental alloys

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 329
Date of record: June 1988

Veritas Offshore Technology and Services A/S, VERITEC

Norway

Tel:

DIRECTOR OF RESEARCH

E. Eriksrud

KEY PERSONNEL

J. Oredsson, P. G. Lunde and 8 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Marine corrosion
Chemical and petroleum industry

RESEARCH DETAILS

COMMENTS

J. Oredsson and P. G. Lunde also direct corrosion research

INSTITUTION NAME AND ADDRESS

Record number 330
Date of record: June 1988

Veritas Offshore Technology and Services A/S

Norway

Tel:

DIRECTOR OF RESEARCH

B. Espelid

KEY PERSONNEL

5 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
Marine corrosion
Hot corrosion
Chemical and petroleum industry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 331
Date of record:June 1988

Norwegian Defence Research Establishment
Division for Weapons and Equipment
P.O. Box 25
Kjeller, 2007
Norway

Tel:

DIRECTOR OF RESEARCH

O. Hasvold

KEY PERSONNEL
----
3 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
Marine corrosion
Power generation industry
Potable and cooling water systems
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 332
Date of record:June 1988

Norwegian Institute for Air Research

Norway

Tel:

DIRECTOR OF RESEARCH

J. F. Henriksen

KEY PERSONNEL
----
5 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Coatings
Atmospheric corrosion
Power generation industry
Electronics industry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 333
Date of record:June 1988

Norwegian Institute for Water Research

P.O. Box 33, Blindern
Oslo 3, 0313
Norway

Tel:

DIRECTOR OF RESEARCH

H. Kristiansen

KEY PERSONNEL
----
3 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Inhibitors
Coatings
Soil corrosion
Marine corrosion
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 334
Date of record:June 1988

Rogalandsforskning

Postboks 2503, Ullandhaug
Stavanger, 4004
Norway

Tel: (04) 87 50 00

DIRECTOR OF RESEARCH

T. Valand

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Biological corrosion
Chemical and petroleum industry

RESEARCH DETAILS

Influence of oilfield chemicals on the corrosion
of metals under oil/gas reservoir conditions
Studies of sulphate-reducing bacteria
Internal corrosion of gas pipelines transporting
unprocessed gas

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 335
Date of record:June 1988

Norwegian Building Research Institute

Norway

Tel:

DIRECTOR OF RESEARCH

T. Isaksen

KEY PERSONNEL

2 - 3 associates

MAJOR AREAS OF RESEARCH

Atmospheric corrosion

RESEARCH DETAILS

Field studies of corrosion problems related to
buildings

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 336
Date of record:June 1988

Norwegian Geotechnical Institute

P.O. Box 40, Taasen
Oslo 8, 0801
Norway

Tel:

DIRECTOR OF RESEARCH

O. R. Bryhn

KEY PERSONNEL

2 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Soil corrosion

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 337
Date of record:June 1988

Norwegian Research Institute of Electricity Supply A/S

Trondheim, 7034
Norway

Tel: (07) 59 72 00

DIRECTOR OF RESEARCH

S. Refsnaes

KEY PERSONNEL

2 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Atmospheric corrosion
Soil corrosion
Marine corrosion
Power generation industry

Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 338
Date of record: June 1988

Norwegian Marine Technology Research Institute A/S
The SINTEF Group
P.O. Box 173, Asnes
Sandefjord, 3201
Norway

Tel:

DIRECTOR OF RESEARCH

H. G. Johansen

KEY PERSONNEL

A. H. Hansen, 10 associates and 3 assistants

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
Soil corrosion
Marine corrosion
Hot corrosion
Chemical and petroleum industry
Potable and cooling water systems
Research techniques

RESEARCH DETAILS

Studies related to environmental impact
Site inspection, QA/QC-control and troubleshooting
Education and information

COMMENTS

A. H. Hansen also directs corrosaion research

INSTITUTION NAME AND ADDRESS — Record number 339
Date of record: June 1988

Norsk Energi

P.O. Box 27, Skoyen
Oslo, 0212
Norway

Tel:

DIRECTOR OF RESEARCH

T. Halvorsen

KEY PERSONNEL

3 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Inhibitors
Power generation industry
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 340
Date of record:June 1988

Norsk Hydro
Research Centre

Porsgrunn, 3901
Norway

Tel:

DIRECTOR OF RESEARCH

R. S. Hansen

KEY PERSONNEL

10 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Marine corrosion
High temperature
Hot corrosion
Chemical and petroleum industry
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 341
Date of record:June 1988

Hydro Aluminium A/S
R & D Centre
P.O. Box 222
Holmestrand, 3081
Norway

Tel: (47) 33 51 480

DIRECTOR OF RESEARCH

J. D. Evensen

KEY PERSONNEL
----
5 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Coatings
Atmospheric corrosion
Marine corrosion
Chemical and petroleum industry
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 342
Date of record:June 1988

Jotun Protective Coatings

Norway

Tel:

DIRECTOR OF RESEARCH

E. Naess

KEY PERSONNEL
----
15 associates

MAJOR AREAS OF RESEARCH

Coatings
Atmospheric corrosion
Marine corrosion

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 343
Date of record:June 1988

National Council for Cement and Building Materials
Construction Development Institute

India

Tel:

DIRECTOR OF RESEARCH

KEY PERSONNEL
----
6 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Coatings
Atmospheric corrosion
Soil corrosion
Marine corrosion

RESEARCH DETAILS

Computer applications

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 344
Date of record:June 1988

Sardar Vallabhbhai Regional College of Engng. & Technology
Chemistry Department

Surat, 395007
India

Tel:

DIRECTOR OF RESEARCH

Prof. T. P. Sastry

KEY PERSONNEL

Dr. G. N. Mehta and 7 graduate students

MAJOR AREAS OF RESEARCH

Fundamental aspects

Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Passivity
Research techniques

RESEARCH DETAILS

Study of passivity and the passive layer

COMMENTS

Dr. G. N. Mehta also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 345
Date of record:June 1988

Indian Institute of Science

Bangalore,
India

Tel:

DIRECTOR OF RESEARCH

Prof. A. S. Dwarakadasa

KEY PERSONNEL

Profs. L. A. Natarajan, K. V. Shore, Y. V. R. K. Prasad and S. Sakiyanarayama, Drs. M. V. Bhat, S. K. Biswas and Arakai

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
New materials for corrosion
Inhibitors
Marine corrosion
High temperature
Corrosive wear
Erosion/corrosion
Stress corrosion cracking
Corrosion fatigue

RESEARCH DETAILS

COMMENTS

Profs. L. A. Natarajan, K. V. Shore, Y. V. R. K. Prasad and S. Sakiyanarayama, Drs. M. V. Bhat, S. K. Biswas and Arakai also direct corrosion research

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INSTITUTION NAME AND ADDRESS

Record number 346
Date of record:June 1988

Central Salt & Marine Chemicals Research Institute

G. B. Marg
Bhavnagar, Gujarat 364002
India

Tel:

DIRECTOR OF RESEARCH

Dr. J. K. Langalia

KEY PERSONNEL

4 associates

MAJOR AREAS OF RESEARCH

Cathodic/anodic protection
Inhibitors
Coatings
Atmospheric corrosion
Marine corrosion
Hot corrosion
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 347
Date of record:June 1988

Project and Development India Ltd.
R & D Division

India

Tel:

DIRECTOR OF RESEARCH

Dr. K. M. Verma

KEY PERSONNEL

19 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
High temperature
Hot corrosion
Chemical and petroleum industry
Power generation industry

Potable and cooling water systems
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS   Record number   348
----------------------------   Date of record:June 1988

Central Food Technology Research Institute
Centre for Food Packaging

Mysore, 570013
India

Tel:

DIRECTOR OF RESEARCH

M. Mahadeviah

KEY PERSONNEL
----
3 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Inhibitors
Coatings
Aqueous corrosion

RESEARCH DETAILS

Internal electrochemical corrosion in food cans

COMMENTS

INSTITUTION NAME AND ADDRESS   Record number   349
----------------------------   Date of record:June 1988

Defence Materials & Stores R & D Establishment

Kanpur,
India

Tel:

DIRECTOR OF RESEARCH

Dr. S. N. Pandey

KEY PERSONNEL

Dr. R. K. Nigam and 34 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
Inhibitors
Coatings
Atmospheric corrosion
Soil corrosion
Marine corrosion
Hot corrosion
Chemical and petroleum industry
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

Dr. R. K. Nigam also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 350
Date of record:June 1988

Indrol Lubricants & Specialities Ltd.
R & D Centre
Wadala (East)
Bombay, 400037
India

Tel:

DIRECTOR OF RESEARCH

R. M. Rao

KEY PERSONNEL

3 associates

MAJOR AREAS OF RESEARCH

Inhibitors
Coatings
Atmospheric corrosion
Marine corrosion
High temperature
Hot corrosion
Chemical and petroleum industry
Power generation industry
Potable and cooling water systems
Research techniques

RESEARCH DETAILS

COMMENTS

P. M. Rao is Manager, Process Development and R & D

INSTITUTION NAME AND ADDRESS

Record number 351
Date of record: June 1988

Alkyl Amines Chemicals Ltd.
R & D Department

India

Tel:

DIRECTOR OF RESEARCH

Dr. V. Purnaprajna

KEY PERSONNEL

12 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
New materials for corrosion
Inhibitors
Marine corrosion
Chemical and petroleum industry
Power generation industry

RESEARCH DETAILS

Corrosion inhibitors for crude oil and natural gas

Corrosion inhibitors for hydrogen sulphide corrosion in wells
Acid corrosion inhibitors for oil well acidification
Corrosion inhibitors for boiler-steam systems

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 352
Date of record: June 1988

Regional Research Laboratory

Hyderabad, 500007
India

Tel:

DIRECTOR OF RESEARCH

Dr. M. M. Shirsalkar

KEY PERSONNEL

Drs. P. S. Sampathkumaran, M. Yaseen, B. G. K. Murthy, R. S. Balkrishna, J. P. Misra, V. Madhusudan, P. H. Gedam and G. H. Rao, Shri C. P. Dube

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
Marine corrosion
Chemical and petroleum industry
Power generation industry
Research techniques

RESEARCH DETAILS

COMMENTS

Dr. M. M. Shirsalkar is Head, Organic Coatings and Polymer Division

---

INSTITUTION NAME AND ADDRESS

Record number 353
Date of record: June 1988

Research Designs and Standards Organization

India

Tel:

DIRECTOR OF RESEARCH

Shri M. P. Varma

KEY PERSONNEL

14 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
New materials for corrosion
Coatings
Chemical and petroleum industry
Potable and cooling water systems
Research techniques

RESEARCH DETAILS

Drawing up of specifications for anticorrosive systems for which IS/BS specifications do not exist
Identification of sources of supply and approval of firms capable of supplying quality paints for railways
Rationalisation of painting systems on railways for achieving maximum corrosion protection

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 354
Date of record:June 1988

Corrogard Chemicals

India

Tel:

DIRECTOR OF RESEARCH

Dr. S. L. Chennuri

KEY PERSONNEL

2 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Coatings

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 355
Date of record:June 1988

DMR Laboratories

Hyderabad, 500258
India

Tel:

DIRECTOR OF RESEARCH

Dr. M. Bhatia

KEY PERSONNEL

6 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
New materials for corrosion
Coatings
High temperature
Hot corrosion
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 356
Date of record:June 1988

Enamelnagar Development Corp. Ltd.

India

Tel:

DIRECTOR OF RESEARCH

R. N. Ray

KEY PERSONNEL

2 associates

MAJOR AREAS OF RESEARCH

Coatings
High temperature

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 357
Date of record:June 1988

Central Mechanical Engineering Research Institute

Durgapur, 713209
India

Tel:

DIRECTOR OF RESEARCH

Dr. B. R. Guha

KEY PERSONNEL

5 associates

MAJOR AREAS OF RESEARCH

Power generation industry

RESEARCH DETAILS

Troubleshooting

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 358
Date of record:June 1988

Vikram Sarabhai Space Centre

Trivandrum,
India

Tel:

DIRECTOR OF RESEARCH

P. K. Balasubramanian

KEY PERSONNEL

Dr. T. S. Lakshmanan and 4 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Coatings
Atmospheric corrosion
Marine corrosion
Chemical and petroleum industry
Electronics industry

RESEARCH DETAILS

COMMENTS

Dr. T. S. Lakshmanan also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 359
Date of record:June 1988

Jenson & Nicholson (India) Ltd.

India

Tel:

DIRECTOR OF RESEARCH

Dr. G. Ray

KEY PERSONNEL

10 associates

MAJOR AREAS OF RESEARCH

Coatings

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 360
Date of record: June 1988

Central Building Research Institute

Roorkee, 247667
India

Tel:

DIRECTOR OF RESEARCH

Dr. R. K. Bhandari

KEY PERSONNEL

6 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
New materials for corrosion
Coatings
Atmospheric corrosion
Soil corrosion
Marine corrosion

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 361
Date of record: June 1988

Bharat Heavy Electricals Ltd.
Corporate R & D

Hyderabad, 500593
India

Tel:

DIRECTOR OF RESEARCH

N. Mukhopadhyay

KEY PERSONNEL

2 scientists, 1 engineer

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Marine corrosion
Power generation industry
Aqueous corrosion

RESEARCH DETAILS

Water chemistry for power stations

COMMENTS

INSTITUTION NAME AND ADDRESS

Indira Gandhi Centre for Atomic Research

Kalpakkam, 603102
India

Tel:

Record number 362
Date of record: June 1988

DIRECTOR OF RESEARCH

J. B. Gnanamoorthy

KEY PERSONNEL

Dr. C. K. Mathews and G. R. Balasubramanian

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Atmospheric corrosion
High temperature
Power generation industry
Potable and cooling water systems
Liquid metal corrosion and embrittlement
Research techniques

RESEARCH DETAILS

Thermodynamics of formation of corrosion compounds

COMMENTS

J. B. Gnanamoorthy is Head, Chemical Metallurgy Section under the direction of Dr. P. Rodriguez, Head, Metallurgy Programme
Dr. C. K. Mathews is Head, Radio Chemistry Programme
G. R. Balasubramanian is Head, Reprocessing Programme

INSTITUTION NAME AND ADDRESS
Record number 363
Date of record:June 1988

Balmer Lawrie & Co. Ltd.
Applications Research Laboratory

India

Tel:

DIRECTOR OF RESEARCH

Dr. J. Bhatia

KEY PERSONNEL

5 associates

MAJOR AREAS OF RESEARCH

Inhibitors
Coatings

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS
Record number 364
Date of record:June 1988

Berger Paints Ltd.

Calcutta,
India

Tel:

DIRECTOR OF RESEARCH

R. N. Sarkar

KEY PERSONNEL

6 associates

MAJOR AREAS OF RESEARCH

Coatings

RESEARCH DETAILS

COMMENTS

R. N. Sarkar is General Technical Manager

INSTITUTION NAME AND ADDRESS — Record number 365

Date of record:June 1988

Indian Institute of Technology
Department of Metallurgical Engineering

Kanpur, 208016
India

Tel:

DIRECTOR OF RESEARCH

Dr. R. Narayan

KEY PERSONNEL

Dr. K. P. Singh and 6 - 10 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Inhibitors
Coatings
High temperature
Hot corrosion

RESEARCH DETAILS

Corrosion education

COMMENTS

Dr. K. P. Singh also directes corrosion research

INSTITUTION NAME AND ADDRESS — Record number 366

Date of record:June 1988

Banaras Hindu University
Dept. of Metallurgical Engineering, Institute of Technology

Varanasi,
India

Tel:

DIRECTOR OF RESEARCH

Prof. V. B. Tare

KEY PERSONNEL

Profs. V. K. G. Vamaboudhiri and B. Prakash, 6-8 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion

Inhibitors
Marine corrosion
High temperature
Hot corrosion
Chemical and petroleum industry
Hydrogen permeation and embrittlement
Stress corrosion cracking
Research techniques

RESEARCH DETAILS

COMMENTS

Profs. T. K. G. Vamaboudhiri and B. Prakash also direct corrosion research

---

INSTITUTION NAME AND ADDRESS — Record number 367
Date of record:June 1988

Karnataka Regional Engineering College

P.O. Srinivasnagar
Surathkal, 574157
India

Tel:

DIRECTOR OF RESEARCH

Prof. T. Ramchandran

KEY PERSONNEL

Dr. H. V. S. Nayak and 7 associates

MAJOR AREAS OF RESEARCH

Inhibitors
Marine corrosion
High temperature
Hot corrosion

RESEARCH DETAILS

COMMENTS

Dr. H. V. S. Nayak also directs corrosion research

INSTITUTION NAME AND ADDRESS — Record number 368
Date of record:June 1988

Council of Scientific and Industrial Research
Regional Research Laboratory
Canal Road
Jammu-Tawi, 180001
India

Tel:

DIRECTOR OF RESEARCH

Dr. K. L. Bedi

KEY PERSONNEL

8 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Coatings
Atmospheric corrosion

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 369
Date of record:June 1988

Regional Engineering College

Durgapur, West Bengal
India

Tel:

DIRECTOR OF RESEARCH

Dr. S. N. Banerjee

KEY PERSONNEL

5 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Inhibitors

RESEARCH DETAILS

Corrosion education

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 370
Date of record:June 1988

P. S. G. College of Technology

Coimbatore,
India

Tel:

DIRECTOR OF RESEARCH

Dr. N. K. Srinivasan

KEY PERSONNEL
----
4 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
High temperature
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Chembond Chemicals PVT Ltd.

India

Tel:

Record number 371
Date of record:June 1988

DIRECTOR OF RESEARCH

Dr. V. D. Shah

KEY PERSONNEL
----
3 associates

MAJOR AREAS OF RESEARCH

Inhibitors
Coatings
Atmospheric corrosion
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

M/S Asian Paints (India) Ltd.

India

Record number 372
Date of record:June 1988

Tel:

DIRECTOR OF RESEARCH

Dr. R. B. Tirodkar

KEY PERSONNEL

22 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Coatings
Marine corrosion
Chemical and petroleum industry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 373
Date of record:June 1988

Maruthi Institute of Technology
Unit of Vellore Educational Trust
21 First East Main Road, Gandhi Nagar
Vellore, 632006
India

Tel:

DIRECTOR OF RESEARCH

Dr. N. M. Parthasarathy

KEY PERSONNEL

P. R. Krishnamoorthy and Thirumurugan

MAJOR AREAS OF RESEARCH

Cathodic/anodic protection
Coatings
High temperature

RESEARCH DETAILS

Electrostatic powder paint spraying at 90 kV

COMMENTS

P. R. Krishnamoorthy and Thirumurugan also direct corrosion research

---

INSTITUTION NAME AND ADDRESS — Record number 374
Date of record:June 1988

Bangalore University
Department of Chemistry, Central College

Bangalore, 560001
India

Tel:

DIRECTOR OF RESEARCH

Prof. S. M. Mayanna

KEY PERSONNEL
----
2 scientists, 1 engineer

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Inhibitors

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 375
Date of record:June 1988

Bhabha Atomic Research Centre
Metallurgy Division

Bombay,
India

Tel:

DIRECTOR OF RESEARCH

Dr. H. S. Gadiyar

KEY PERSONNEL
----
7 scientists, 3 engineers

MAJOR AREAS OF RESEARCH

Fundamental aspects
New materials for corrosion
Inhibitors
Marine corrosion
High temperature
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS ---------------------------- Record number 376
Date of record:June 1988

M/S BLINEX

A-3 Nand Bhuvan Industrial Estate, Manakali Caves Rd., Andheri(E)
Bombay, 400093
India

Tel: 6326007

DIRECTOR OF RESEARCH

R. D. Dhami

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Coatings
Soil corrosion
Marine corrosion
Chemical and petroleum industry
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

R. D. Dhami is the proprietor

INSTITUTION NAME AND ADDRESS ---------------------------- Record number 377
Date of record:June 1988

Naval Dockyard
Naval Chemical and Metallurgical Laboratory

Bombay, 400023
India

Tel:

DIRECTOR OF RESEARCH

Dr. G. Kulkarni

KEY PERSONNEL

Dr. M. B. Deshmukh and 10 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Coatings
Atmospheric corrosion

Marine corrosion

RESEARCH DETAILS

COMMENTS

Dr. M. B. Deshmukh also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 378
Date of record:June 1988

Central Electrochemical Research Institute

Karaikudi, Tamil Nadu
India

Tel:

DIRECTOR OF RESEARCH

Dr. K. Balakrishnan

KEY PERSONNEL
----
40 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
Soil corrosion
Marine corrosion
High temperature
Hot corrosion
Chemical and petroleum industry
Power generation industry
Potable and cooling water systems
Corrosion in concrete
Research techniques

RESEARCH DETAILS

Corrosion in reinforced concrete structures

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 379
Date of record:June 1988

Indian Institute of Petroleum

India

Tel:

DIRECTOR OF RESEARCH

A. Jayraman

KEY PERSONNEL
----
3 scientists, 1 chemical engineer

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Inhibitors
Chemical and petroleum industry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Goodlass Nerolac Paints Ltd.

Record number 380
Date of record:June 1988

India

Tel:

DIRECTOR OF RESEARCH

R. K. Marphatia

KEY PERSONNEL
----
30 associates

MAJOR AREAS OF RESEARCH

Coatings
Atmospheric corrosion
Chemical and petroleum industry
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Useful Products

Record number 381
Date of record:June 1988

1137/7 Gokhale Road, Model Colony
Pune, 411016
India

Tel: 55806

DIRECTOR OF RESEARCH

S. M. Parulekar

KEY PERSONNEL

A. M. Parulekar

MAJOR AREAS OF RESEARCH

Fundamental aspects
Cathodic/anodic protection
Inhibitors
Coatings
Atmospheric corrosion
Potable and cooling water systems
Research techniques

RESEARCH DETAILS

COMMENTS

A. M. Parulekar also directs corrosion research

INSTITUTION NAME AND ADDRESS

Aska Enterprises

Record number 382
Date of record: June 1988

19 Vithalwadi
Pune, 411051
India

Tel:

DIRECTOR OF RESEARCH

Shri A. S. Pisolkar

KEY PERSONNEL
----
1 associate

MAJOR AREAS OF RESEARCH

Inhibitors
Coatings

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

National Council for Research
Institute for the Technology of Non-Traditional Metals
Via Induno 10
Cinisello Balsamo, 20092
Italy

Record number 383
Date of record:June 1988

Tel:

DIRECTOR OF RESEARCH

Dr. B. Vicenti

KEY PERSONNEL

Drs. G. Taccani and G. Rondelli

MAJOR AREAS OF RESEARCH

Marine corrosion
Localised corrosion

RESEARCH DETAILS

Localised corrosion of titanium and titanium
alloys
Corrosion resistance of new stainless steels for
marine
applications

COMMENTS

INSTITUTION NAME AND ADDRESS

National Council for Research
Institute for Marine Corrosion
Via Mercanzia 4
Genova, 16123
Italy

Record number 384
Date of record:June 1988

Tel:

DIRECTOR OF RESEARCH

Prof. A. Niccolin

KEY PERSONNEL

Drs. A. M. Beccaria and C. Wrubl, A. Mollica

MAJOR AREAS OF RESEARCH

Coatings
Biological corrosion
Marine corrosion

RESEARCH DETAILS

Influence of hydrostatic pressure on corrosion behaviour
Protection by organic coatings
Influence of biological factors on corrosion processes

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 385
Date of record: June 1988

University of Genoa
Department of Chemistry, Faculty of Engineering
Piazzale Kennedy, Fiera del Mare pad.D
Genova, 16129
Italy

Tel:

DIRECTOR OF RESEARCH

Dr. A. Gesmundo

KEY PERSONNEL

F. Viani

MAJOR AREAS OF RESEARCH

High temperature

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 386
Date of record: June 1988

Istituto Donegani
Department of Corrosion and Electrochemistry
Via Fauser 4
Novara, 28100
Italy

Tel:

DIRECTOR OF RESEARCH

Dr. M. Pieroni

KEY PERSONNEL

Drs. C. Farina and U. Grassini

MAJOR AREAS OF RESEARCH

Environmental cracking

Stress corrosion cracking

RESEARCH DETAILS

Stress corrosion cracking in industry
Intergranular corrosion of stainless steels
Corrosion of alloys in non-aqueous media

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 387
Date of record:June 1988

Polytechnic of Milano
Department of Applied Physical Chemistry
Piazza Leonardo da Vinci 32
Milano, 20133
Italy

Tel:

DIRECTOR OF RESEARCH

Prof. P. Pedeferri

KEY PERSONNEL

B. Mazza, G. Salvago, A. Cigada, P. Cavallotti, D. Colombo and U. Ducati

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Cathodic/anodic protection
High temperature
Corrosion in concrete
Stress corrosion cracking
Corrosion fatigue
Localised corrosion

RESEARCH DETAILS

Test methods for localised corrosion
Corrosion fatigue and stress corrosion cracking in
sulphide
environments
Cathodic protection
Rebar corrosion in concrete

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 388
Date of record:June 1988

C.I.S.E. s.p.a.

Via Reggio Emilia 39, Segrate
Milan, 20090

Italy

Tel:

DIRECTOR OF RESEARCH

Dr. R. Pascali

KEY PERSONNEL

Drs. G. Buzzanca, R. Rizzi and G. Quaglia

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Cathodic/anodic protection
Power generation industry
Localised corrosion

RESEARCH DETAILS

Localised corrosion of metallic materials for nuclear applications
Cathodic protection of power generating plants
Pickling and decontamination processes

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 389
Date of record: June 1988

C.S.M. s.p.a.

Via di Castel Romano 100-102
Roma, 00129
Italy

Tel:

DIRECTOR OF RESEARCH

Dr. R. Bruno

KEY PERSONNEL

Drs. A. Tamea, N. Azzerri and M. Memml, F. Mancia and A. Giambotti

MAJOR AREAS OF RESEARCH

Coatings
Chemical and petroleum industry
Stress corrosion cracking

RESEARCH DETAILS

Behaviour of hot dip and electrolytic coatings
Oil and gas field corrosion
Stress corrosion cracking of stainless steels

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 390
Date of record:June 1988

Istituto Ricerche Breda

Viale Sarca 336
Milano, 20126
Italy

Tel:

DIRECTOR OF RESEARCH

Dr. T. Songa

KEY PERSONNEL

Drs. G. Casarini and G. Careri, G. M. Stella

MAJOR AREAS OF RESEARCH

Marine corrosion
Corrosion in concrete
Erosion/corrosion
Hydrogen permeation and embrittlement
Stress corrosion cracking

RESEARCH DETAILS

Hydrogen damage
Saline water corrosion
Rebar corrosion in concrete

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 391
Date of record:June 1988

University of Milan
Department of Physical Chemistry and Electrochemistry
Via Camillo Golgi 19
Milano, 20133
Italy

Tel:

DIRECTOR OF RESEARCH

Prof. F. Mazza

KEY PERSONNEL

Profs. G. Bianchi and E. Siviero, S. Torchio and R. Cristina

MAJOR AREAS OF RESEARCH

High temperature
Hot corrosion
Stress corrosion cracking

RESEARCH DETAILS

Stress corrosion cracking and corrosion behaviour of alloys for condenser tubes
Corrosion behaviour of alloys in non-aqueous environments
Corrosion by molten salt deposits

COMMENTS

Prof. G. Bianchi also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 392
Date of record:June 1988

Polytechnic of Turin
Department of Materials Science and Chemical Emgineering
Corso Duca degli Abruzzi 24
Torino, 10129
Italy

Tel:

DIRECTOR OF RESEARCH

Prof. M. Maja

KEY PERSONNEL

P. Spinelli and E. Angelini

MAJOR AREAS OF RESEARCH

Coatings
Localised corrosion
Passivity

RESEARCH DETAILS

Localised corrosion of stainless steels
Nature of passive films

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 393
Date of record:June 1988

University of Ferrara
Corrosion Study Centre "Aldo Dacco"
Via L. Borsari 46
Ferrara, 44100
Italy

Tel: (0532)25034

DIRECTOR OF RESEARCH

Prof. G. Trabanelli

KEY PERSONNEL

Drs. F. Zucchi, A. Frignani and G. Brunoro, M. Zucchini

MAJOR AREAS OF RESEARCH

Fundamental aspects
Inhibitors
Marine corrosion
Environmental cracking
Stress corrosion cracking

RESEARCH DETAILS

Mechanisms and industrial applications
Stress corrosion cracking and intergranular
corrosion of stainless steels
Behaviour of copper alloys in salt water
Corrosion protection of artifacts

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 394
---------------------------- Date of record:June 1988

National Council for Research
Department of Applied Physical Chemistry for Materials
Lungo Bisagno Istria 34
Genova, 16141
Italy

Tel:

DIRECTOR OF RESEARCH

C. De Asmundis

KEY PERSONNEL

Dr. V. Buscaglia, P. Nanni

MAJOR AREAS OF RESEARCH

Fundamental aspects
High temperature
Hot corrosion

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 395
Date of record:June 1988

University of Trento
Department of Engineering, Materials Engineering Section

Trento,
Italy

Tel:

DIRECTOR OF RESEARCH

P. L. Bonora

KEY PERSONNEL

G. Cerisola and A. Molinari

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Soil corrosion

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 396
Date of record:June 1988

University "La Sapienza"
Department of Chemical Engineering and Metallurgy
Via Eudossiana 18
Roma,
Italy

Tel:

DIRECTOR OF RESEARCH

R. Cigna

KEY PERSONNEL

U. Barnabai and M. Cavallini

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Chemical and petroleum industry

RESEARCH DETAILS

Industrial corrosion problems

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 397
Date of record:June 1988

ENEL - CRTN

Via Rubattino 54
Milano,
Italy

Tel:

DIRECTOR OF RESEARCH

G. Rocchini

KEY PERSONNEL

G. Perboni, A. Colombo and P. A. Cristiani

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Inhibitors
Power generation industry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 398
Date of record:June 1988

Department of Materials Engineering, Faculty of Engineering
Piazzale Tecchio
Napoli, 80125
Italy

Tel:

DIRECTOR OF RESEARCH

M. Arpaia

KEY PERSONNEL

P. Pernice

MAJOR AREAS OF RESEARCH

Cathodic/anodic protection
Soil corrosion
Corrosion in concrete

RESEARCH DETAILS

Rebar corrosion in concrete

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 399
Date of record:June 1988

Department of Materials Engineering, Faculty of Engineering
Piazzale Tecchio
Napoli, 80125
Italy

Tel:

DIRECTOR OF RESEARCH

F. Bellucci

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

RESEARCH DETAILS

Corrosion in non-aqueous environments

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 400
Date of record:June 1988

Academy of Sciences of the Lithuanian SSR
Institute of Chemistry and Chemical Technology

Lithuanian SSR

Tel:

DIRECTOR OF RESEARCH

G. O. Kosto

KEY PERSONNEL

11 scientists and engineers

MAJOR AREAS OF RESEARCH

Coatings
Atmospheric corrosion

RESEARCH DETAILS

Corrosion resistance of electroplated coatings in natural and accelerated conditions
Standardization of corrosion protection using metallic coatings

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 401
Date of record:June 1988

Academy of Sciences of the USSR
Arbusov Institute of Organic and Physical Chemistry
Kazan Branch

USSR

Tel:

DIRECTOR OF RESEARCH

Prof. S. I. Berezina

KEY PERSONNEL

10 research scientists

MAJOR AREAS OF RESEARCH

Fundamental aspects
Coatings

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 402
Date of record:June 1988

Azerbaijan Academy of Sciences
Institute of Inorganic and Physical Chemistry

Baku,
Azerbaijan SSR

Tel:

DIRECTOR OF RESEARCH

A. K. O. Bairamov

KEY PERSONNEL

20 associates

MAJOR AREAS OF RESEARCH

Cathodic/anodic protection
Inhibitors
Coatings
Marine corrosion
Chemical and petroleum industry
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 403
Date of record: June 1988

CNIITMASH
Central Research Institute for the Technology of Machinery

USSR

Tel:

DIRECTOR OF RESEARCH

Prof. A. V. Ryabchenkov

KEY PERSONNEL

30 scientists and engineers

MAJOR AREAS OF RESEARCH

New materials for corrosion
Coatings
Hot corrosion
Power generation industry
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 404
Date of record: June 1988

Kharkov Chemical and Mechanical Technical School

USSR

Tel:

DIRECTOR OF RESEARCH

V. A. Druchenko

KEY PERSONNEL

7 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring

Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS ---------------------------- Record number 405
Date of record:June 1988

Karpov Institute of Physical Chemistry

USSR

Tel:

DIRECTOR OF RESEARCH

Academician Ya. M. Kolotyrkin

KEY PERSONNEL
----
60 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
Soil corrosion
Marine corrosion
High temperature
Chemical and petroleum industry
Power generation industry
Potable and cooling water systems
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS ---------------------------- Record number 406
Date of record:June 1988

Dneprodzerzhinsk Industrial Institute

USSR

Tel:

DIRECTOR OF RESEARCH

Dr. Yu. Fyodorov

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Coatings

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 407
Date of record:June 1988

D. I. Mendeleev Institute of Chemical Technology

Moscow,
USSR

Tel:

DIRECTOR OF RESEARCH

Prof. V. N. Kudryavtsev

KEY PERSONNEL
----
28 associates

MAJOR AREAS OF RESEARCH

Coatings

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 408
Date of record:June 1988

Tambov State Pedagogical Institute

USSR

Tel:

DIRECTOR OF RESEARCH

V. I. Vigdorovich

KEY PERSONNEL

L. E. Tsygankova and 10 scientific workers

MAJOR AREAS OF RESEARCH

Fundamental aspects

RESEARCH DETAILS

COMMENTS

L. E. Tsygankova also directs corrosion research

INSTITUTION NAME AND ADDRESS   Record number   409
----------------------------   Date of record:June 1988

Polytechnical Institute

Novocherkassk
Rostov,
USSR

Tel:

DIRECTOR OF RESEARCH

I. P. Anoshchenko

KEY PERSONNEL
----
20 associates

MAJOR AREAS OF RESEARCH

New materials for corrosion
Inhibitors
Coatings
Power generation industry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS   Record number   410
----------------------------   Date of record:June 1988

Dniepropetrovsk State University
Department of Physical and Colloid Chemistry

USSR

Tel:

DIRECTOR OF RESEARCH

Prof. Yu. M. Loshkaryov

KEY PERSONNEL

30 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Coatings
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 411
Date of record:June 1988

Kirov Polytechnic Institute

USSR

Tel:

DIRECTOR OF RESEARCH

T. M. Ovchinnikova

KEY PERSONNEL

V. D. Likhachev, Yu. P. Khranilov and 18 associates

MAJOR AREAS OF RESEARCH

New materials for corrosion
Inhibitors
Power generation industry
Hydrogen permeation and embrittlement
Aqueous corrosion

RESEARCH DETAILS

Hydrogen uptake and embrittlement during corrosion processes and electroplating

COMMENTS

V. D. Likhachev and Yu. P. Khranilov also direct corrosion research

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INSTITUTION NAME AND ADDRESS

Record number 412
Date of record:June 1988

Kharkov State Pedagogical Institute
Electrochemical Laboratory

USSR

Tel:

DIRECTOR OF RESEARCH

Kadaner

KEY PERSONNEL
----
15 asssociates

MAJOR AREAS OF RESEARCH

Cathodic/anodic protection
Coatings

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS
Record number 413
Date of record:June 1988

Georgian Polytechnical Institute
Electrical Engineering Department

USSR

Tel:

DIRECTOR OF RESEARCH

Prof. T. R. Agladze

KEY PERSONNEL
----
18 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
Coatings
Marine corrosion
Chemical and petroleum industry
Corrosive wear
Research techniques

RESEARCH DETAILS

Low wear materials for electrodes

COMMENTS

INSTITUTION NAME AND ADDRESS
Record number 414

Date of record:June 1988

Dniepropetrovsk Chemical Technology Institute
Chemical Materials Resistance and Corrosion Protection Dept.

USSR

Tel:

DIRECTOR OF RESEARCH

S. P. Vazhenin

KEY PERSONNEL

6 science candidates

MAJOR AREAS OF RESEARCH

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 415
Date of record:June 1988

Gosniimethanolproekt

USSR

Tel:

DIRECTOR OF RESEARCH

Prof. V. S. Kuzub

KEY PERSONNEL

6 science candidates, 26 engineers and 9 technicians

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Cathodic/anodic protection
Chemical and petroleum industry
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 416
Date of record:June 1988

Perm University
Laboratory of Electrochemistry and Metal Protection
Ul. Bukireva 15
614000
USSR

Tel:

DIRECTOR OF RESEARCH

G. V. Khaldeyev

KEY PERSONNEL

8 scientists and 6 engineers

MAJOR AREAS OF RESEARCH

Fundamental aspects
Inhibitors
Coatings
Hydrogen permeation and embrittlement

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 417
Date of record:June 1988

Academy of Municipal Economy

Moscow,
USSR

Tel:

DIRECTOR OF RESEARCH

V. M. Levin

KEY PERSONNEL

L. I. Freiman, M. A. Suris, E. G. Kuznetsova, B. L. Reisin and 15 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Cathodic/anodic protection
Soil corrosion

RESEARCH DETAILS

COMMENTS

L. I. Freiman, M. A. Suris, E. G. Kuznetsova and B. L. Resin also direct corrosion research

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INSTITUTION NAME AND ADDRESS
Record number 418
Date of record:June 1988

State Institute of Nitrogen Industry

USSR

Tel:

DIRECTOR OF RESEARCH

Mrs. D. M. Kramarenko

KEY PERSONNEL

7 M.Sci. graduates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
High temperature
Hot corrosion
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS
Record number 419
Date of record:June 1988

Chelyabinsk Inst. of Mechanization & Agricultural Electrification

USSR

Tel:

DIRECTOR OF RESEARCH

O. L. Golyanitski

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Fundamental aspects
Inhibitors
Coatings

Atmospheric corrosion
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 420
Date of record:June 1988

Academy of Sciences GSSR
Institute of Metallurgy

USSR

Tel:

DIRECTOR OF RESEARCH

F. N. Tavadze

KEY PERSONNEL

I. N. Lordkipanidze and Z. V. Kemkchadze

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
Soil corrosion
Marine corrosion
Chemical and petroleum industry
Power generation industry
Electronics industry
Medical and dental applications

RESEARCH DETAILS

Medical and food industry problems

COMMENTS

I. N. Lordkipanidze and Z. V. Kemkchadze also direct corrosion research

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INSTITUTION NAME AND ADDRESS

Record number 421
Date of record:June 1988

M.G.P.J. im. V. J. Lenina

USSR

Tel:

DIRECTOR OF RESEARCH

V. V. Batrakov

KEY PERSONNEL

N. I. Podobaev

MAJOR AREAS OF RESEARCH

Fundamental aspects
Inhibitors
Coatings
Chemical and petroleum industry
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

N. I. Podobaev also directs corrosion research
Both the general and analytical chemistry department and the corrosion laboratory for metallic inhibitor problems are involved

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INSTITUTION NAME AND ADDRESS

Record number 422
Date of record: June 1988

Academy of Sciences USSR
Institute of Electrochemistry, Ural Department

USSR

Tel:

DIRECTOR OF RESEARCH

I. N. Ozeryanaya

KEY PERSONNEL

M. V. Smirnov, T. I. Manukhina, V. Ya. Kudyakov and 14 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Cathodic/anodic protection
Coatings
Hot corrosion

RESEARCH DETAILS

Corrosion in molten salts

COMMENTS

M. V. Smirnov, T. I. Manukhina and V. Ya. Kudyakov also direct corrosion research

---

INSTITUTION NAME AND ADDRESS Record number 423
Date of record:June 1988

The Kazakh Red Banner State University named after S. M. Kirov

USSR

Tel:

DIRECTOR OF RESEARCH

T. Z. Achmetov

KEY PERSONNEL

1 scientist and 4 engineers

MAJOR AREAS OF RESEARCH

Inhibitors
Chemical and petroleum industry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS Record number 424
Date of record:June 1988

State Research Institute for Material Protection

Bechovice
Praha 9, 25097
Czechoslovakia

Tel:

DIRECTOR OF RESEARCH

Ass. Prof. M. Svoboda

KEY PERSONNEL

150 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
High temperature

Chemical and petroleum industry
Power generation industry
Electronics industry
Potable and cooling water systems
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 425
Date of record:June 1988

Institute of Chemical Technology and Corrosion Engineering

Suchbaratova 1905
Praha 6, 16828
Czechoslovakia

Tel:

DIRECTOR OF RESEARCH

Acad. Prof. L. Kubicek

KEY PERSONNEL

5 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Soil corrosion
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 426
Date of record:June 1988

Institute of Chemical Technology
Power Energy Department
Suchbaratova 1905
Praha 6, 16628
Czechoslovakia

Tel:

DIRECTOR OF RESEARCH

Ass. Prof. J. Vosta

KEY PERSONNEL

6 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Inhibitors
Hot corrosion
Power generation industry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 427
Date of record:June 1988

Czech Technical University
Faculty of Mechanical Engineering

Praha 6, 16807
Czechoslovakia

Tel:

DIRECTOR OF RESEARCH

Ass. Prof. J. Prochazka

KEY PERSONNEL

3 associates

MAJOR AREAS OF RESEARCH

Coatings

RESEARCH DETAILS

Equipment and technology of corrosion protection methods

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 428
Date of record:June 1988

Institute of Chemical Technology

Pardubice, 53000
Czechoslovakia

Tel:

DIRECTOR OF RESEARCH

Ass. Prof. J. Jarusek

KEY PERSONNEL

4 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Coatings

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 429
Date of record:June 1988

Technical University
Corrosion Department, Faculty of Metallurgy

Kosice, 04000
Czechoslovakia

Tel:

DIRECTOR OF RESEARCH

Prof. J. Kocich

KEY PERSONNEL

6 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Chemical and petroleum industry
Power generation industry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 430
Date of record:June 1988

Metallurgical Institute

Tr. Vitezneho unora 3
Ostrava-Poruba, 70833
Czechoslovakia

Tel:

DIRECTOR OF RESEARCH

Acad. Dr. K. Mazanec

KEY PERSONNEL

4 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Power generation industry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 431
Date of record:June 1988

Katholieke Universiteit Leuven

Leuven, 3030
Belgium

Tel:

DIRECTOR OF RESEARCH

W. F. Bogaerts

KEY PERSONNEL

10 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Inhibitors
Atmospheric corrosion
Chemical and petroleum industry
Power generation industry
Electronics industry
Potable and cooling water systems
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS
Record number 432
Date of record:June 1988

Studiecentrum voor Kernenergie/Centre d'Etudes Nucleaires

Boeretang 200
Mol, 2400
Belgium

Tel:

DIRECTOR OF RESEARCH

Dr. H. Tas

KEY PERSONNEL

4 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
New materials for corrosion
Coatings
Soil corrosion
High temperature
Power generation industry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS
Record number 433
Date of record:June 1988

Vrije Universiteit Brussel
Department of Metallurgy, Electrochemistry & Materials Science
Pleinlaan 2
Brussels, 1050
Belgium

Tel:

DIRECTOR OF RESEARCH

Prof.Dr. J. Vereecken

KEY PERSONNEL

12 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Inhibitors
Coatings
Medical and dental applications
Stress corrosion cracking

Research techniques

RESEARCH DETAILS

Stress corrosion cracking of nickel and titanium alloys
Corrosion of biomaterials (Cobalt and titanium alloys for hip
joints and dental amalgams)
Anodizing of aluminum
Corrosion measurements on painted metals and the application of
impedance and polarisation resistance techniques in general

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 434
Date of record: June 1988

Rijksuniversiteit Gent
Laboratorium voor Non-Ferro Metallurgie en Electrometallurgie
St. Pieternieuwstraat 41
Gent, 9000
Belgium

Tel:

DIRECTOR OF RESEARCH

Prof. A. P. Van Peteghem

KEY PERSONNEL
----
6 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
New materials for corrosion
Coatings
High temperature
Medical and dental applications

RESEARCH DETAILS

Industrial corrosion problems
Surface conversion processes
Corrosion of non-ferrous alloys
Special measurements on alloys for medical applications

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 435
Date of record: June 1988

Belgian Center for Corrosion Study - CEBELCOR

Avenue Paul Heger, Grille 2
Brussels, 1050
Belgium

Tel:

DIRECTOR OF RESEARCH

Prof. M. Pourbaix

KEY PERSONNEL

A. Pourbaix and 5 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
Atmospheric corrosion
Soil corrosion
High temperature
Hot corrosion
Chemical and petroleum industry
Power generation industry
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

A. Pourbaix also directs corrosion research

INSTITUTION NAME AND ADDRESS

Katholieke Universiteit Leuven
Chemical Engineering Department
De Croylaan 2
Leuven, 3030
Belgium

Record number 436
Date of record:June 1988

Tel:

DIRECTOR OF RESEARCH

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Biological corrosion
Chemical and petroleum industry
Power generation industry
Potable and cooling water systems
Passivity
Aqueous corrosion
High temperature electrochemistry

Research techniques

RESEARCH DETAILS

Electrochemical measurements in high temperature-high pressure aqueous environments
Corrosion problems and polymer degradation in energy technologies (solar, geothermal and nuclear)
Application of surface spectroscopies and microanalyses in passivity studies of iron-chromium-nickel-molybdenum alloys
Special topics: Specific problem solving and corrosion protection in chemical industries, corrosion data handling, biological deterioration, water treatment

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 437
Date of record:June 1988

Katholieke Universiteit Leuven
Department of Metallurgy and Materials Science
De Croylaan 2
Leuven, 3030
Belgium

Tel:

DIRECTOR OF RESEARCH

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Coatings
Stress corrosion cracking
Corrosion fatigue

RESEARCH DETAILS

Surface coatings and electrodeposition phenomena (e.g. codeposition processes)
Industrial corrosion problems
Stress corrosion cracking of copper-zinc-aluminum alloys
Influence of silica on deposit formation and corrosion

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 438
Date of record:June 1988

Austrian Research Centre Seibersdorf

Department of Materials Technology

Seibersdorf, 2444
Austria

Tel:

DIRECTOR OF RESEARCH

Dr. I. Schreinlechnev

KEY PERSONNEL

Drs. W. Lacom and F. Holnh, 3 - 5 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Inhibitors
Coatings
Marine corrosion
Hot corrosion
Chemical and petroleum industry

RESEARCH DETAILS

COMMENTS

Drs. W. Lacom and F. Holnh also direct corrosion research

INSTITUTION NAME AND ADDRESS

Record number 439
Date of record:June 1988

Institute for Testing and Research in Materials Technology (TVFA)

Austria

Tel:

DIRECTOR OF RESEARCH

Doz.Dr. G. Zwilling

KEY PERSONNEL

3 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Corrosion fatigue
Research techniques

RESEARCH DETAILS

Non-destructive testing by application of A.C. and D.C., including impedance methods
Corrosion fatigue testing by tensile loading in

water, unalloyed and alloy steels

COMMENTS

INSTITUTION NAME AND ADDRESS
Record number 440
Date of record: June 1988

Technical University of Graz
Institute of Inorganic Chemical Technology

Graz,
Austria

Tel:

DIRECTOR OF RESEARCH
Prof.Dr. F. Hilbert

KEY PERSONNEL
3 associates

MAJOR AREAS OF RESEARCH
Fundamental aspects
Chemical and petroleum industry
Power generation industry
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS
Record number 441
Date of record: June 1988

Voest-Alpine AG

Austria

Tel:

DIRECTOR OF RESEARCH
Dr. H. Haselmair

KEY PERSONNEL
5 associates

MAJOR AREAS OF RESEARCH
Testing, detection and monitoring
New materials for corrosion
Inhibitors

Coatings
Atmospheric corrosion
Soil corrosion
Chemical and petroleum industry
Power generation industry
Potable and cooling water systems

RESEARCH DETAILS

Surface quality

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 442
Date of record: June 1988

Austria Draht GesmbH
Wire drawing mill

Austria

Tel:

DIRECTOR OF RESEARCH

G. Hampejs

KEY PERSONNEL

2 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Stress corrosion cracking

RESEARCH DETAILS

Stress corrosion of prestressing steels in hydrogen sulphide or ammonium thiocyanate solutions

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 443
Date of record: June 1988

Vereinigte Edelstahlwerke (VEW)

Austria

Tel:

DIRECTOR OF RESEARCH

G. Hochoertler

KEY PERSONNEL

8 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Marine corrosion
High temperature
Hot corrosion
Chemical and petroleum industry
Power generation industry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 444
Date of record:June 1988

Montanuniversitaet Leoben

Leoben,
Austria

Tel:

DIRECTOR OF RESEARCH

Prof.Dr. H. Zitter

KEY PERSONNEL

3 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Chemical and petroleum industry
Medical and dental applications

RESEARCH DETAILS

Biomaterials

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 445
Date of record:June 1988

University of Canterbury
Mechanical Engineering Department

New Zealand

Tel:

DIRECTOR OF RESEARCH

F. W. Fahy

KEY PERSONNEL
----
2 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Coatings
Atmospheric corrosion

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Defence Scientific Establishment

Record number 446
Date of record:June 1988

New Zealand

Tel:

DIRECTOR OF RESEARCH

H. Levinsohn

KEY PERSONNEL
----
2 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Marine corrosion

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

DSIR
Chemistry Division

Record number 447
Date of record:June 1988

New Zealand

Tel:

DIRECTOR OF RESEARCH

R. Norris

KEY PERSONNEL

1/2 associate

MAJOR AREAS OF RESEARCH

Coatings

RESEARCH DETAILS

Plastics

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 448
Date of record:June 1988

University of Auckland
Chemistry Department

New Zealand

Tel:

DIRECTOR OF RESEARCH

G. A. Wright

KEY PERSONNEL

2 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
Inhibitors
Power generation industry
Research techniques

RESEARCH DETAILS

Geothermal

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 449

----------------------------- Date of record:June 1988
University of Auckland

New Zealand

Tel:

DIRECTOR OF RESEARCH

R. M. Sharp

KEY PERSONNEL
----
3 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Coatings
Atmospheric corrosion
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS Record number 450
----------------------------- Date of record:June 1988
Building Research Association of New Zealand

New Zealand

Tel:

DIRECTOR OF RESEARCH

Dr. J. R. Duncan

KEY PERSONNEL
----
2 full-time equivalents (spread over about 4 people)

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Coatings
Atmospheric corrosion
Hot corrosion

RESEARCH DETAILS

Metals in timber

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 451
Date of record:June 1988

Chemical Cleaning Ltd.

Private Bag
Mt. Maunganui South,
New Zealand

Tel:

DIRECTOR OF RESEARCH

Dr. P. M. Driver

KEY PERSONNEL

Average 1 (i.e. several people intermittently)

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
New materials for corrosion
Inhibitors
Chemical and petroleum industry
Power generation industry
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 452
Date of record:June 1988

Department of Scientific and Industrial Research
Engineering Materials Group, Auckland Industrial Division

New Zealand

Tel:

DIRECTOR OF RESEARCH

L. H. Boulton

KEY PERSONNEL

2 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Atmospheric corrosion
Soil corrosion
Marine corrosion

Chemical and petroleum industry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 453
Date of record:June 1988

Department of Scientific and Industrial Research
Industrial Processing Division

New Zealand

Tel:

DIRECTOR OF RESEARCH

Dr. P. Wilson

KEY PERSONNEL

6 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Inhibitors
Chemical and petroleum industry
Power generation industry
Potable and cooling water systems
Research techniques

RESEARCH DETAILS

Plastics

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 454
Date of record:June 1988

New Zealand Steel

New Zealand

Tel:

DIRECTOR OF RESEARCH

P. Whitehead

KEY PERSONNEL

3 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Coatings
Atmospheric corrosion
Marine corrosion

RESEARCH DETAILS

Corrosion resistance of painted galvanized steel
and other zinc alloys

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 455
Date of record:June 1988

Victoria University of Wellington

New Zealand

Tel:

DIRECTOR OF RESEARCH

S. I. Smedley

KEY PERSONNEL

4 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 456
Date of record:June 1988

University of the Witwatersrand

South Africa

Tel:

DIRECTOR OF RESEARCH

Prof. F. P. A. Robinson

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Chemical and petroleum industry
Potable and cooling water systems
Corrosive wear
Corrosion fatigue
Research techniques

RESEARCH DETAILS

Corrosion of stainless steel
Stainless alloy development and corrosion
Corrosion and wear studies on high chromium alloys
Corrosion fatigue of low alloy steel turbine discs
Corrosion fatigue of containment vessels for nuclear reactors
Ion implantation and its effect on corrosion

COMMENTS

INSTITUTION NAME AND ADDRESS

Cairo University
Faculty of Engineering

Egypt

Tel:

Record number 457
Date of record:June 1988

DIRECTOR OF RESEARCH

Dr. S. M. El-Raghy

KEY PERSONNEL
----
12 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Cathodic/anodic protection
Coatings
Soil corrosion
Marine corrosion
Chemical and petroleum industry
Potable and cooling water systems
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS
Record number 458
Date of record:June 1988

Central Metallurgical R & D Institute

Egypt

Tel:

DIRECTOR OF RESEARCH

A. A. A. Azim

KEY PERSONNEL

10 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
Marine corrosion
High temperature
Hot corrosion
Power generation industry
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS
Record number 459
Date of record:June 1988

National Research Center

Dokki
Cairo,
Egypt

Tel:

DIRECTOR OF RESEARCH

Prof.Dr. A. M. Shams el Din

KEY PERSONNEL

Dr. V. K. Gouda and 25 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Inhibitors
Hot corrosion
Chemical and petroleum industry
Power generation industry
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

Dr. V. K. Gouda also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 460
Date of record:June 1988

University of Ain Shams
Chemistry Department, Faculty of Science

Egypt

Tel:

DIRECTOR OF RESEARCH

Prof. S. Thabet

KEY PERSONNEL

5 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Inhibitors

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 461
Date of record:June 1988

University of Cairo
Chemistry Department, Faculty of Science

Egypt

Tel:

DIRECTOR OF RESEARCH

Prof. I. A. Ammar

KEY PERSONNEL
----
12 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
Inhibitors
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 462
Date of record:June 1988

University of Alexandria
Institute of Higher Studies

Egypt

Tel:

DIRECTOR OF RESEARCH

Prof. H. Sadek

KEY PERSONNEL
----
5 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
New materials for corrosion
Inhibitors

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 463
Date of record:June 1988

Department of Metallurgy

Portugal

Tel:

DIRECTOR OF RESEARCH

Prof. M. Barbosa

KEY PERSONNEL
----
9 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
New materials for corrosion
Inhibitors
Coatings
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 464
Date of record:June 1988

Laboratorio Nacional de Engenharia Civil

Portugal

Tel:

DIRECTOR OF RESEARCH

Principal Research Officer M. do Rosario Cravo

KEY PERSONNEL
----
2 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Coatings
Atmospheric corrosion
Soil corrosion
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 465
Date of record:June 1988

Instituto Superior Tecnico

Portugal

Tel:

DIRECTOR OF RESEARCH

M. G. S. Ferreira

KEY PERSONNEL

6 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Coatings
Atmospheric corrosion
Biological corrosion
Corrosion in concrete
Research techniques

RESEARCH DETAILS

Biomaterials
Reinforced concrete

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 466
Date of record:June 1988

Instituto de Soldadura e Qualidade

R. Tomas de Figueiredo 16-A
Lisboa, 1500
Portugal

Tel:

DIRECTOR OF RESEARCH

Dr. J. F. Oliveira Santos

KEY PERSONNEL

4 associates in the R & D department and 3 associates in the NDT department

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
New materials for corrosion
Atmospheric corrosion
Marine corrosion
High temperature
Hot corrosion
Chemical and petroleum industry
Power generation industry

Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 467
Date of record:June 1988

LNETI - Servico de Corrosao e Proteccao de Materiais

Lisboa, 1699
Portugal

Tel:

DIRECTOR OF RESEARCH

Dr. E. Almeida

KEY PERSONNEL

Dr. C. M. Rangel and 12 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
Inhibitors
Coatings
Atmospheric corrosion
Soil corrosion
Power generation industry
Potable and cooling water systems
Research techniques

RESEARCH DETAILS

COMMENTS

Dr. C. M. Rangel also directs corrosion research

INSTITUTION NAME AND ADDRESS — Record number 468
Date of record:June 1988

Departamento de Egenharia Quimica da Universidade de Coimbra

Portugal

Tel:

DIRECTOR OF RESEARCH

Prof. V. Lobo

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Fundamental aspects
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS Record number 469
---------------------------- Date of record:June 1988

Max-Planck-Institut fuer Eisenforschun GmbH

Postfach 140 260, Max-Planck-Strasse 1
Duesseldorf, 4000
Federal Republic of Germany

Tel:

DIRECTOR OF RESEARCH

Prof.Dr. H.-J. Grabke

KEY PERSONNEL
----
20 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
New materials for corrosion
Coatings
Atmospheric corrosion
High temperature
Chemical and petroleum industry
Power generation industry
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS Record number 470
---------------------------- Date of record:June 1988

Laboratory for Corrosion Protection

Federal Republic of Germany

Tel:

DIRECTOR OF RESEARCH

Prof.Dr. G. Schmitt

KEY PERSONNEL

Prof.Dr. W. Fischer and 10 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
Chemical and petroleum industry
Potable and cooling water systems
Research techniques

RESEARCH DETAILS

Expert systems

COMMENTS

Prof.Dr. W. Fischer also directs corrosion research

INSTITUTION NAME AND ADDRESS

Die Max-Planck-Gesellschaft
Fritz-Haber-Institut

Federal Republic of Germany

Record number 471
Date of record:June 1988

Tel:

DIRECTOR OF RESEARCH

K. Doblhofer

KEY PERSONNEL
----
2 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Coatings

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 472
Date of record:June 1988

Max-Planck-Institut for Metals Research

Stuttgart 1, 7000
Federal Republic of Germany

Tel:

DIRECTOR OF RESEARCH

Dr. R. Kirchheim

KEY PERSONNEL

4 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Cathodic/anodic protection
Atmospheric corrosion
High temperature
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 473
Date of record:June 1988

University of Erlangen-Nuernberg
Department of Corrosion and Surface Treatment

Federal Republic of Germany

Tel:

DIRECTOR OF RESEARCH

Prof.Dr. H. Kaesche

KEY PERSONNEL

25 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Inhibitors
Atmospheric corrosion
High temperature
Hot corrosion
Chemical and petroleum industry
Power generation industry

Electronics industry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS ---------------------------- Record number 474
Date of record:June 1988

University of Karlsruhe
Institute of Physical Chemistry and Electrochemistry

Karlsruhe, 7500
Federal Republic of Germany

Tel:

DIRECTOR OF RESEARCH

Prof.Dr. W. J. Lorenz

KEY PERSONNEL
----
5 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS ---------------------------- Record number 475
Date of record:June 1988

Universitaet -GH-
Fachgebiet Elektrochemie

Duibburg,
Federal Republic of Germany

Tel:

DIRECTOR OF RESEARCH

Prof.Dr. F. Beck

KEY PERSONNEL
----
2 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Inhibitors
Coatings
Corrosion of composites and metalloids

RESEARCH DETAILS

Corrosion of graphite intercalation compounds and of doped synthetic metals

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 476
Date of record:June 1988

Universitaet Duesseldorf
Institut fuer Physicalische Chemie II
Universitaetstrasse 1, Geb. 26.32
Duesseldorf,
Federal Republic of Germany

Tel:

DIRECTOR OF RESEARCH

Prof.Dr. J. W. Schultze

KEY PERSONNEL
----
10 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Inhibitors
Coatings
Chemical and petroleum industry
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 477
Date of record:June 1988

Technische Universitaet Clausthal
Abt. Korrosion u. Korrosionsschutz, Inst. Metallk. u. Metallphys.

Federal Republic Of Germany

Tel:

DIRECTOR OF RESEARCH

Prof.Dr. K. E. Heusler

KEY PERSONNEL

9 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Coatings
Hot corrosion
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 478
Date of record: June 1988

INIFTA (UNLP)

Argentina

Tel:

DIRECTOR OF RESEARCH

Dr. H. Videll

KEY PERSONNEL

1 biochemist, 2 chemical engineers, 3 biologists, 1 mycologist and 1 technician

MAJOR AREAS OF RESEARCH

Biological corrosion
Medical and dental applications

RESEARCH DETAILS

Biologically-induced corrosion
Corrosion of medical and dental implants

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 479
Date of record: June 1988

CIDEPINT
R & D Centre for Paint Technology

La Plata,
Argentina

Tel:

DIRECTOR OF RESEARCH

Dr. V. J. D. Rascio

KEY PERSONNEL

10 scientists, 15 engineers

MAJOR AREAS OF RESEARCH

New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
Marine corrosion
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 480
Date of record:June 1988

INIFTA
Corrosion Section II

Argentina

Tel:

DIRECTOR OF RESEARCH

J. R. Vilche

KEY PERSONNEL

8 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Inhibitors
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Argentine Government (Y. P. F.)
R & D Management of Oil Fields

Record number 481
Date of record:June 1988

Argentina

Tel:

DIRECTOR OF RESEARCH

M. Barreto

KEY PERSONNEL
----
7 associates

MAJOR AREAS OF RESEARCH

Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Chemical and petroleum industry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Instituto Nacional de Tecnologia Industrial (INTI)

Record number 482
Date of record:June 1988

Argentina

Tel:

DIRECTOR OF RESEARCH

Dr. C. Moina

KEY PERSONNEL
----
10 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Corrosion in concrete

RESEARCH DETAILS

Corrosion of reiforcement in concrete construction

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 483
Date of record:June 1988
Scientific and Technical Research Institute of the Armed Forces

Argentina

Tel:

DIRECTOR OF RESEARCH

B. M. Rosalea

KEY PERSONNEL
----
4 associates

MAJOR AREAS OF RESEARCH

Inhibitors
Atmospheric corrosion
Biological corrosion

RESEARCH DETAILS

Microbiological corrosion

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 484
Date of record:June 1988
Inst. de Investigaciones en Ciencia y Tecnologia de Materiales (INTEMA)

Argentina

Tel:

DIRECTOR OF RESEARCH

Dr. S. R. de Sanchez

KEY PERSONNEL
----
5 associates

MAJOR AREAS OF RESEARCH

Cathodic/anodic protection
Marine corrosion

Chemical and petroleum industry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS ---------------------------- Record number 485
Date of record:June 1988

University of the South
Electrochemical Engineering Laboratory

Argentina

Tel:

DIRECTOR OF RESEARCH

Prof.Dr. J. Bessone

KEY PERSONNEL
----
6 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Cathodic/anodic protection
Inhibitors
Atmospheric corrosion
Soil corrosion
Marine corrosion
Chemical and petroleum industry
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS ---------------------------- Record number 486
Date of record:June 1988

Comision Nacional de Energia Atomica

Argentina

Tel:

DIRECTOR OF RESEARCH

Dr. J. R. Galvele

KEY PERSONNEL
----

20 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Chemical and petroleum industry
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 487
Date of record:June 1988

Gas del Estado

Argentina

Tel:

DIRECTOR OF RESEARCH

P. Marios

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Cathodic/anodic protection
Coatings

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 488
Date of record:June 1988

INIFTA
Corrosion Section I

Argentina

Tel:

DIRECTOR OF RESEARCH

Dr. J. J. Podesta

KEY PERSONNEL

----
4 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Inhibitors
Coatings

RESEARCH DETAILS

Electroless

COMMENTS

INSTITUTION NAME AND ADDRESS

Monash University
Department of Materials Engineering

Australia

Tel:

Record number 489
Date of record:June 1988

DIRECTOR OF RESEARCH

Dr. B. W. Cherry

KEY PERSONNEL
----
4 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
Coatings
Soil corrosion

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Steel Mains Pty. Ltd.

Australia

Tel:

Record number 490
Date of record:June 1988

DIRECTOR OF RESEARCH

A. A. Fletcher

KEY PERSONNEL

1 associate

MAJOR AREAS OF RESEARCH

Coatings

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 491
Date of record:June 1988

Australian Welding Research Association

Australia

Tel:

DIRECTOR OF RESEARCH

Dr. A. Vetters

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Atmospheric corrosion
Soil corrosion
Marine corrosion
Chemical and petroleum industry
Power generation industry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 492
Date of record:June 1988

University of New South Wales
School of Materials Science and Engineering

Kensington, N. S. W.
Australia

Tel:

DIRECTOR OF RESEARCH

B. Harris

KEY PERSONNEL

Drs. P. Tomas, K. Thompson and 5 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
New materials for corrosion
Coatings
High temperature
Hot corrosion
Environmental cracking
Research techniques

RESEARCH DETAILS

Environmental fracture

COMMENTS

Drs. P. Tomas and K. Thompson also direct corrosion research

INSTITUTION NAME AND ADDRESS
Record number 493
Date of record:June 1988

University of New South Wales
School of Chemical Engineering and Industrial Chemistry

Kensington, N. S. W.
Australia

Tel:

DIRECTOR OF RESEARCH

Dr. D. J. Young

KEY PERSONNEL
----
5 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Coatings
High temperature
Hot corrosion
Chemical and petroleum industry
Power generation industry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 494
Date of record:June 1988

South Australian Institute of Technology

South Australia
Australia

Tel:

DIRECTOR OF RESEARCH

Dr. P. W. Slattery

KEY PERSONNEL

2 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Chemical and petroleum industry
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 495
Date of record:June 1988

MATPROLABS

20 Stack Street, Locked Bag 654, Freemantle
Perth, Western Australia 6160
Australia

Tel:

DIRECTOR OF RESEARCH

Dr. N. North

KEY PERSONNEL

Dr. D. Lloyd, 2 scientists, 1 engineer (J. A. Nicol, Executive Director) and 3 technical officers

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
Marine corrosion

High temperature
Hot corrosion
Chemical and petroleum industry
Power generation industry
Potable and cooling water systems
Research techniques

RESEARCH DETAILS

COMMENTS

Dr. D. Lloyd also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 496
Date of record:June 1988

Taywood Engineering Ltd.

Australia

Tel:

DIRECTOR OF RESEARCH

F. Papworth

KEY PERSONNEL

12 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Cathodic/anodic protection
Coatings
Atmospheric corrosion
Marine corrosion

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 497
Date of record:June 1988

State Electricity Commision of Victoria
Herman Research Laboratory

Victoria
Australia

Tel:

DIRECTOR OF RESEARCH

R. M. Coldham

KEY PERSONNEL

2 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
High temperature
Power generation industry
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 498
Date of record: June 1988

University of Sydney
School of Civil and Mining Engineering

Sydney, N. S. W. 2006
Australia

Tel:

DIRECTOR OF RESEARCH

Assoc. Prof. H. Roper

KEY PERSONNEL

4 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
Inhibitors
Coatings
Atmospheric corrosion
Marine corrosion
Corrosion in concrete
Research techniques

RESEARCH DETAILS

Corrosion of metals in concrete

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 499
Date of record: June 1988

Queensland Institute of Technology
Department of Chemistry

Queensland
Australia

Tel:

DIRECTOR OF RESEARCH

Dr. D. P. Schweinsburg

KEY PERSONNEL
----
4 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Inhibitors
Coatings
Corrosion of composites and metalloids

RESEARCH DETAILS

Degradation of plastics, e.g. composite materials

COMMENTS

INSTITUTION NAME AND ADDRESS

Government Chemical Laboratories

Record number 500
Date of record:June 1988

Western Australia
Australia

Tel:

DIRECTOR OF RESEARCH

D. Ingraham

KEY PERSONNEL

P. Jack and 1 - 3 scientists

MAJOR AREAS OF RESEARCH

Fundamental aspects
Inhibitors
Coatings
Potable and cooling water systems

RESEARCH DETAILS

Research meaning basic/fundamental research is not done. Corrosion studies are mainly related to failure analyses.

COMMENTS

P. Jack also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 501
Date of record:June 1988

AMDEL Ltd.

Australia

Tel:

DIRECTOR OF RESEARCH

P. J. Parry

KEY PERSONNEL

15 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
Biological corrosion
Marine corrosion
High temperature
Hot corrosion
Chemical and petroleum industry
Power generation industry
Electronics industry
Potable and cooling water systems
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 502
Date of record:June 1988

Comalco Research Centre

Australia

Tel:

DIRECTOR OF RESEARCH

R. May

KEY PERSONNEL

3 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Coatings
Atmospheric corrosion
Hot corrosion
Potable and cooling water systems
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 503
Date of record:June 1988

University of Queensland
Derpartment of Mining and Metallurgical Engineering

St. Lucia, Queensland 4067
Australia

Tel:

DIRECTOR OF RESEARCH

Dr. A. Atrens

KEY PERSONNEL

8 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Atmospheric corrosion
Marine corrosion
Corrosion of composites and metalloids
Stress corrosion cracking
Passivity

RESEARCH DETAILS

Automobile, plastics, surfaces, stainless steels, copper alloys and rapid solidification

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 504
Date of record:June 1988

75 Ashley Street
West Footscray, Victoria 3012
Australia

Tel:

DIRECTOR OF RESEARCH

G. Melbourne

KEY PERSONNEL
----
7 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Soil corrosion
Marine corrosion
Chemical and petroleum industry
Power generation industry
Potable and cooling water systems
Corrosion in concrete
Research techniques

RESEARCH DETAILS

Rebar corrosion in concrete

COMMENTS

INSTITUTION NAME AND ADDRESS

Western Australian Museum

Western Australia
Australia

Record number 505
Date of record:June 1988

Tel:

DIRECTOR OF RESEARCH

Dr. I. MacLeod

KEY PERSONNEL
----
2 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Cathodic/anodic protection
Inhibitors
Marine corrosion

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 506
Date of record:June 1988

Hunter District Water Board

Australia

Tel:

DIRECTOR OF RESEARCH

D. Nicholas

KEY PERSONNEL

1 associate

MAJOR AREAS OF RESEARCH

Cathodic/anodic protection
Soil corrosion
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 507
Date of record:June 1988

Taubmans Industries Ltd.

Hyde Street
Yeronga, Queensland 4104
Australia

Tel:

DIRECTOR OF RESEARCH

G. J. Biddle

KEY PERSONNEL

4 associates

MAJOR AREAS OF RESEARCH

Coatings

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS   Record number   508
----------------------------   Date of record:June 1988
Intico Pty. Ltd.

Australia

Tel:

DIRECTOR OF RESEARCH

Manager F. Boegel

KEY PERSONNEL
----
4 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Chemical and petroleum industry
Power generation industry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS   Record number   509
----------------------------   Date of record:June 1988
Melbourne and Metropolitan Board of Works
Corrosion Technology Services Branch

Australia

Tel:

DIRECTOR OF RESEARCH

F. E. Beissel

KEY PERSONNEL
----
10 associates

MAJOR AREAS OF RESEARCH

Cathodic/anodic protection
Coatings
Soil corrosion

Potable and cooling water systems

RESEARCH DETAILS

Corrosion in sewerage environments
Material evaluation in water and sewage, specifically, copper in water and ductile iron in soil

COMMENTS

F. E. Beissel is principal corrosion technologist

INSTITUTION NAME AND ADDRESS Record number 510
Date of record:June 1988

Commonwealth Scientific and Industrial Research Organization
Division of Building Research

Australia

Tel:

DIRECTOR OF RESEARCH

K. G. Martin

KEY PERSONNEL

2.5 man years

MAJOR AREAS OF RESEARCH

Atmospheric corrosion

RESEARCH DETAILS

Building industry problems

COMMENTS

INSTITUTION NAME AND ADDRESS Record number 511
Date of record:June 1988

Defence Science and Technology Organization
Aeronautical Research Laboratories, Aircraft Materials Division

Australia

Tel:

DIRECTOR OF RESEARCH

Dr. B. R. W. Hinton

KEY PERSONNEL

5 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 512
Date of record:June 1988

Royal Institute of Technology
Department of Physical Chemistry

Stockholm, 100 44
Sweden

Tel:

DIRECTOR OF RESEARCH

Dr. G. Hultquist

KEY PERSONNEL

2 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Coatings
Marine corrosion
High temperature
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 513
Date of record:June 1988

FFV - Material Technology

P.O. Box 13200
Linkoeping, 580 13
Sweden

Tel:

DIRECTOR OF RESEARCH

T. Lekbeck

KEY PERSONNEL

4 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Inhibitors
Coatings
Atmospheric corrosion
Soil corrosion
Marine corrosion
High temperature
Chemical and petroleum industry
Power generation industry
Electronics industry
Potable and cooling water systems
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 514
Date of record:June 1988

Royal Institute of Technology
Department of Applied Electrochemistry

Stockholm, 100 44
Sweden

Tel:

DIRECTOR OF RESEARCH

Dr. J. Berendson

KEY PERSONNEL

1 associate

MAJOR AREAS OF RESEARCH

Fundamental aspects
Inhibitors
Power generation industry
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS	Record number 515
	Date of record:June 1988

Royal Institute of Technology
Department of Inorganic Chemistry

Stockholm, 100 44
Sweden

Tel:

DIRECTOR OF RESEARCH

Dr. T. Wallin

KEY PERSONNEL

3 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
New materials for corrosion
Inhibitors
Marine corrosion
Potable and cooling water systems
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS	Record number 516
	Date of record:June 1988

Chalmers University of Technology (CTH)
Department of Engineering Materials

Gothenburg, 412 95
Sweden

Tel:

DIRECTOR OF RESEARCH

Prof. I. Olefjord

KEY PERSONNEL

11 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Coatings
Atmospheric corrosion
Soil corrosion
Chemical and petroleum industry

Power generation industry
Research techniques

RESEARCH DETAILS

Surface analysis

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 517
Date of record:June 1988

Swedish Institute for Metals Research

Drottning Kristinas vaeg 48
Stockholm, 114 28
Sweden

Tel:

DIRECTOR OF RESEARCH

Dr. B. Hutchinson

KEY PERSONNEL
----
3 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Stress corrosion cracking
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 518
Date of record:June 1988

Studsvik Energiteknik AB
Department of Materials Technology

Nykoeping, 611 82
Sweden

Tel:

DIRECTOR OF RESEARCH

Vice-president B. Rosberg

KEY PERSONNEL
----
35 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Inhibitors
High temperature
Hot corrosion
Chemical and petroleum industry
Potable and cooling water systems
Stress corrosion cracking

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 519
Date of record:June 1988

Swedish National Testing Institute
Surface Protection and Corrosion
P.O. Box 857
Boras, 501 15
Sweden

Tel:

DIRECTOR OF RESEARCH

Dr. B. Carlsson

KEY PERSONNEL

11 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
Chemical and petroleum industry
Power generation industry
Electronics industry
Potable and cooling water systems
Research techniques

RESEARCH DETAILS

Solar energy corrosion problems

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 520
Date of record:June 1988

Swedish Corrosion Institute

P.O. Box 5607
Stockholm, 114 86
Sweden

Tel:

DIRECTOR OF RESEARCH

Dr. V. Kucera

KEY PERSONNEL

28 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
Soil corrosion
Marine corrosion
Electronics industry
Potable and cooling water systems
Corrosion of composites and metalloids
Research techniques

RESEARCH DETAILS

Corrosion of polymers

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 521
Date of record:June 1988

Chalmers University of Technology & University of Gothenburg
Department of Inorganic Chemistry

Gothenburg, 412 96
Sweden

Tel:

DIRECTOR OF RESEARCH

Dr. E. Ahlberg

KEY PERSONNEL

Dr. G. Johansson and 7 asociates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Inhibitors
Coatings

Atmospheric corrosion
High temperature
Electronics industry
Research techniques

RESEARCH DETAILS

Corrosion of lead

COMMENTS

Dr. G. Johansson also directs corrosion research

INSTITUTION NAME AND ADDRESS | Record number 522
Date of record: June 1988

Swedish Cement and Concrete Research Institute (CBI)

Stockholm, 100 44
Sweden

Tel:

DIRECTOR OF RESEARCH

K. Byfors

KEY PERSONNEL

2 - 3 associates

MAJOR AREAS OF RESEARCH

Corrosion in concrete

RESEARCH DETAILS

Corrosion of steel in concrete

COMMENTS

INSTITUTION NAME AND ADDRESS | Record number 523
Date of record: June 1988

Polytechnic Institute of Bucharest
Corrosion Laboratory, Department of Physical Chemistry

Romania

Tel:

DIRECTOR OF RESEARCH

Prof.Dr. O. Radovici

KEY PERSONNEL

25 - 50 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Cathodic/anodic protection
Inhibitors
Coatings
Marine corrosion
Chemical and petroleum industry
Power generation industry
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS
Record number 524
Date of record:June 1988

Council for Scientific and Industrial Research

South Africa

Tel:

DIRECTOR OF RESEARCH

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Atmospheric corrosion
Corrosion in concrete

RESEARCH DETAILS

Atmospheric corrosion test programme
The effect of galvanizing on the corrosion of reinforcing steel
in concrete

COMMENTS

INSTITUTION NAME AND ADDRESS
Record number 525
Date of record:June 1988

MINTEK (Council for Mineral Technology)

South Africa

Tel:

DIRECTOR OF RESEARCH

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Soil corrosion
Corrosive wear

RESEARCH DETAILS

The corrosive effect of minewaters - influence of
compositional
differences in the water and the effect of
different alloys as
regards the resistance to this type of water
Phases in weldments and their influence on
corrosion
Corrosion and wear of alloys exposed to minewaters
and slurries

COMMENTS

INSTITUTION NAME AND ADDRESS

University of Cape Town

Record number 526
Date of record:June 1988

South Africa

Tel:

DIRECTOR OF RESEARCH

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Corrosive wear

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Chamber of Mines Laboratories

Record number 527
Date of record:June 1988

South Africa

Tel:

DIRECTOR OF RESEARCH

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

New materials for corrosion
Inhibitors
Soil corrosion
Corrosive wear

RESEARCH DETAILS

Corrosive effects of acid minewaters
Inhibitor additions to prevent corrosion in enclosed systems such as mine props.
Alloy development for abrasion and corrosion resisting applications

COMMENTS

INSTITUTION NAME AND ADDRESS

Centro Nacional de Investigaciones Metalurgicas (CENIM)

Record number 528
Date of record:June 1988

Spain

Tel:

DIRECTOR OF RESEARCH

Prof. S. Feliu

KEY PERSONNEL
----
9 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Inhibitors
Coatings
Atmospheric corrosion
Marine corrosion

Potable and cooling water systems
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 529
Date of record:June 1988

E.T.S.I. de Caminos, U. Politecnica
Departamento de Ciencia de los Materiales

Madrid,
Spain

Tel:

DIRECTOR OF RESEARCH

Prof. M. E. Calafat

KEY PERSONNEL
----
6 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Stress corrosion cracking
Corrosion fatigue

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 530
Date of record:June 1988

Instituto "Eduardo Torroja" de la Construction y del Cemento

Spain

Tel:

DIRECTOR OF RESEARCH

Dr. C. Andrade

KEY PERSONNEL
----
8 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Inhibitors
Coatings
Corrosion in concrete

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS   Record number   531
----------------------------   Date of record:June 1988
Universidad Pontificia Comillas
E.T.S. de Ingenieros Industriales

Madrid, 28015
Spain

Tel:

DIRECTOR OF RESEARCH

Prof. P. J. Hidalgo

KEY PERSONNEL
----
4 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Research techniques

RESEARCH DETAILS

Corrosion of stainless steels
Cavitation corrosion

COMMENTS

INSTITUTION NAME AND ADDRESS   Record number   532
----------------------------   Date of record:June 1988
Universidad Complutense
Departamento de Ciencia de Materiales, Facultad de Quimica

Madrid, 28040
Spain

Tel:

DIRECTOR OF RESEARCH

E. O. Huerta

KEY PERSONNEL
----
6 associates

MAJOR AREAS OF RESEARCH

New materials for corrosion
High temperature
Hot corrosion
Chemical and petroleum industry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS Record number 533
---------------------------- Date of record:June 1988
Instituto de Agroquimica y Tecnologia de Alimentos CSIC(Valencia)

Spain

Tel:

DIRECTOR OF RESEARCH

Dr. R. C. Moragrega

KEY PERSONNEL
----
2 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Coatings

RESEARCH DETAILS

Cans and containers for goods
Food industry problems

COMMENTS

INSTITUTION NAME AND ADDRESS Record number 534
---------------------------- Date of record:June 1988
Universidad de Cantabria
E.T.S. Ingenieros de Caminos, Canales y Puertos

Spain

Tel:

DIRECTOR OF RESEARCH

F. Gutierrez-Solana

KEY PERSONNEL

3 associates

MAJOR AREAS OF RESEARCH

Stress corrosion cracking

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 535
Date of record:June 1988

Instituto Nacional de Tecnica Aerospacial (INTA)

Spain

Tel:

DIRECTOR OF RESEARCH

J.-M. Carrera Jaraiz

KEY PERSONNEL

4 associates

MAJOR AREAS OF RESEARCH

Coatings

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 536
Date of record:June 1988

Universidad de Sevilla
E.T.S. de Ingenieros Industriales

Spain

Tel:

DIRECTOR OF RESEARCH

Prof. E. J. Herrera

KEY PERSONNEL
----
2 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring

RESEARCH DETAILS

Failure analysis

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 537

Date of record:June 1988

Universidad Autonoma de Barcelona
Physical Chemistry Dept., Faculty of Sciences

Spain

Tel:

DIRECTOR OF RESEARCH

Dr. E. Julve

KEY PERSONNEL
----
3 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Cathodic/anodic protection
Coatings
Atmospheric corrosion
Marine corrosion
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 538

Date of record:June 1988

INASMET

San Sebastien,
Spain

Tel:

DIRECTOR OF RESEARCH

Dr. M. Gutierrez

KEY PERSONNEL

4 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Marine corrosion
Chemical and petroleum industry
Power generation industry
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 539
Date of record:June 1988

Basque Country University
Fac. C. Quimicas
P.O. Box 1.072
San Sebastien,
Spain

Tel:

DIRECTOR OF RESEARCH

T. F. Otero

KEY PERSONNEL

5 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
New materials for corrosion
Coatings

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 540

----------------------------- Date of record:June 1988

c/Marti i Franaves s/n
Dpto. Ingeniera Quimica y Metalurgia, Facultad Quimica

Barcelona, 08028
Spain

Tel:

DIRECTOR OF RESEARCH

P. Molera Sola

KEY PERSONNEL
----
6 associates

MAJOR AREAS OF RESEARCH

Coatings
Atmospheric corrosion
Marine corrosion
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS Record number 541
----------------------------- Date of record:June 1988

Instituto Quimico Sarria

Spain

Tel:

DIRECTOR OF RESEARCH

L. Victori

KEY PERSONNEL
----
5 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Inhibitors

RESEARCH DETAILS

COMMENTS

Record number 542
Date of record: June 1988

INSTITUTION NAME AND ADDRESS

LABEIN

Spain

Tel:

DIRECTOR OF RESEARCH

A. Porro

KEY PERSONNEL

3 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Coatings
Atmospheric corrosion

RESEARCH DETAILS

COMMENTS

Record number 543
Date of record: June 1988

INSTITUTION NAME AND ADDRESS

INESPAL (CINDAL)

Spain

Tel:

DIRECTOR OF RESEARCH

J. L. Gazapo

KEY PERSONNEL

2 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Inhibitors
Coatings
Atmospheric corrosion

RESEARCH DETAILS

Basically all aspects related to aluminum and its uses

COMMENTS

INSTITUTION NAME AND ADDRESS Record number 544
Date of record:June 1988

Universidad Politecnica de Valencia
Dpto. de Construcciones Arquitectonicas, E.T.S. Arquitectura

Spain

Tel:

DIRECTOR OF RESEARCH

B. P. Ventura

KEY PERSONNEL

5 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Inhibitors
Coatings
Marine corrosion
Corrosion in concrete

RESEARCH DETAILS

Corrosion of reinforcing steel in concrete

COMMENTS

INSTITUTION NAME AND ADDRESS Record number 545
Date of record:June 1988

Centro de Investigaciones Energeticas, Medioambientales y Tecn.
CIEMAT

Spain

Tel:

DIRECTOR OF RESEARCH

Sra. Dr. D. G. Briceno

KEY PERSONNEL

4 associates

MAJOR AREAS OF RESEARCH

Cathodic/anodic protection

Marine corrosion
Power generation industry
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 546
Date of record: June 1988

Escuela Superior Ingenieros Industriales
Chemistry Department

Vigo,
Spain

Tel:

DIRECTOR OF RESEARCH

L. E. Recarey

KEY PERSONNEL
----
10 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Inhibitors
Coatings
Atmospheric corrosion
Marine corrosion
Potable and cooling water systems
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 547
Date of record: June 1988

Universidad Politecnica de Madrid, E.T.S. de Ingenieros Industr.
Dpto. Ingeniera y Ciencia de los Materiales

Madrid,
Spain

Tel:

DIRECTOR OF RESEARCH

Prof. C. Ranninger

KEY PERSONNEL

----
8 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
New materials for corrosion
Atmospheric corrosion
Soil corrosion
Hot corrosion
Chemical and petroleum industry
Power generation industry
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 548
Date of record:June 1988

University of Barcelona
Department of Physical Chemistry

Barcelona,
Spain

Tel:

DIRECTOR OF RESEARCH

Prof. J. M. Costa

KEY PERSONNEL
----
11 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Inhibitors
Atmospheric corrosion
Marine corrosion
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 549
Date of record:June 1988

Universidad de La Laguna
Departamento de Quimica Fisica

Tenerife (La Laguna),

Canary Islands (Spain)

Tel:

DIRECTOR OF RESEARCH

Dr. S. Gonzalez Gonzalez

KEY PERSONNEL
----
4 - 5 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Inhibitors
Atmospheric corrosion
Soil corrosion
Marine corrosion
Potable and cooling water systems
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS　　Record number 550
----------------------------　　Date of record:June 1988
Zentralstelle fuer Korrosionsschutz (Corrosion Control Centre)

Karl-Marx-Strasse 228
Dresden, 8080
German Democratic Republic

Tel:

DIRECTOR OF RESEARCH

Dr. H. Harzbecker

KEY PERSONNEL

About 100 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
Inhibitors
Coatings
Atmospheric corrosion
Soil corrosion
Chemical and petroleum industry
Power generation industry
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 551
Date of record:June 1988

University of Twente
Laboratory of Inorganic Chemistry, Materials Science & Catalysis
P.O. Box 217
Enschede, 7500 AE
The Netherlands

Tel: X-3153899111

DIRECTOR OF RESEARCH

Prof.Dr. P. J. Gellings

KEY PERSONNEL

Dr. T. Fransen and various Ph.D. students

MAJOR AREAS OF RESEARCH

Fundamental aspects
New materials for corrosion
Coatings
High temperature
High temperature electrochemistry
Research techniques

RESEARCH DETAILS

Ceramic coatings
Ion implantation

COMMENTS

Dr. T. Fransen also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 552
Date of record:June 1988

Koninklijke/Shell-Laboratorium
Dept. MR
Postbus 3003
Amsterdam, 1003 AA
The Netherlands

Tel: (020) 30 3573

DIRECTOR OF RESEARCH

Dr. R. J. M. Tausk

KEY PERSONNEL

Drs. L. van Bodegom, S. Huizinga, Dr.Ir. U. Lotz, Ir. M. M. Festen, Ir. K. van Gelder and A. Veld

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
Soil corrosion
Marine corrosion
High temperature
Hot corrosion
Chemical and petroleum industry
Potable and cooling water systems
Environmental cracking
Corrosive wear
Erosion/corrosion
Hydrogen permeation and embrittlement
Corrosion of composites and metalloids
Stress corrosion cracking
Corrosion fatigue
A.C. impedance
Localised corrosion
Passivity
Aqueous corrosion
Electrochemical processing and engineering
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 553
Date of record: June 1988

National Aerospace Laboratory NLR
Structures and Materials Division
P.O. Box 153
Emmeloord, 8300 AD
The Netherlands

Tel:

DIRECTOR OF RESEARCH

R. J. H. Wanhill

KEY PERSONNEL

H. J. Kolkman, L. Schra and W. G. J. 't Hart

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Inhibitors
Coatings

Atmospheric corrosion
Marine corrosion
High temperature
Hot corrosion
Power generation industry
Environmental cracking
Corrosive wear
Erosion/corrosion
Hydrogen permeation and embrittlement
Liquid metal corrosion and embrittlement
Corrosion of composites and metalloids
Stress corrosion cracking
Corrosion fatigue
Localised corrosion
Aqueous corrosion
Research techniques

RESEARCH DETAILS

Aerospace - airframes, gas turbines

COMMENTS

H. J. Kolkman, L. Schra and W. G. J. 't Hart also direct corrosion research

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INSTITUTION NAME AND ADDRESS

Record number 554
Date of record:June 1988

Royal Netherlands Navy
Corrosion Laboratory of the Royal Netherlands Naval College
Het Nieuwe Diep 8
Den Helder, 1781 AC
The Netherlands

Tel: 02230-5300

DIRECTOR OF RESEARCH

Prof.Dr. F. P. IJsserling

KEY PERSONNEL

CDR (E) Ir. D. Bakker and Lt.Cdr. Ing. J. M. Krougman

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
New materials for corrosion
Marine corrosion
Erosion/corrosion
Stress corrosion cracking
Localised corrosion

RESEARCH DETAILS

Crevice corrosion

COMMENTS

INSTITUTION NAME AND ADDRESS
Record number 555
Date of record: June 1988

Delft University of Technology
Laboratory of Materials Science
Rotterdamsweg 137
Delft, 2628 AL
The Netherlands

Tel:

DIRECTOR OF RESEARCH

Prof.Dr. J. H. W. de Wit

KEY PERSONNEL

Dr.Ir. C. J. van der Wekken, Ir. G. Bakker, Dr. K. Hemmes
Graduate Students: Drs.ing. Gerretsen, Drs. J. Dobbelaar, Ir. R. Stroosnider, Ir. P. A. van Manen, Ir. F. Geenen, Drs. R. Makkus, Ir. R. Weewer, Ir. A. Harbiye. Research Students: E. van Westing, A. Bodin, A. Baggerman, K. van der Paart, P. Schut, J. W. de Man. Technical Assistants: Ing. P. J. B. Overkamp, L. Norbart, N. J. Schellenbach

MAJOR AREAS OF RESEARCH

Fundamental aspects
Coatings
Marine corrosion
High temperature
Steel industry
Environmental cracking
Batteries and fuel cells
Hydrogen permeation and embrittlement
Stress corrosion cracking
Corrosion fatigue
A.C. impedance
Passivity
Aqueous corrosion
High temperature electrochemistry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS
Record number 556
Date of record: June 1988

Helsinki University of Technology

Vuorimiehentie 2
Espoo, 02150
Finland

Tel:

DIRECTOR OF RESEARCH

Prof. S. Ylasaari

KEY PERSONNEL

Dr. O. Forsen and M.Sc.'s: J. Aromaa, A. Saario, M. Tavi and R. O. Toivanen

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
Marine corrosion
High temperature
Chemical and petroleum industry
Power generation industry
Potable and cooling water systems
Corrosion in concrete
Environmental cracking
Corrosive wear
Batteries and fuel cells
Stress corrosion cracking
Corrosion fatigue
A.C. impedance
Localised corrosion
Passivity
Aqueous corrosion
Electrochemical processing and engineering
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 557
Date of record: June 1988

Tampere University of Technology
Institute of Materials Science
P.O. Box 527
Tampere, 33101
Finland

Tel:

DIRECTOR OF RESEARCH

Prof. P. Kettunen

KEY PERSONNEL

Assoc. profs. T. Tiainen and T. Mantyla, Dr. T. Lepisto, lic. tech. A. Hynna, lic. tech. P. Vuoristo, dipl. eng. P. Siitonen and dipl. tech. T. Lepisto.

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
New materials for corrosion
Coatings
High temperature
Power generation industry
Electronics industry
Corrosive wear
Erosion/corrosion
Corrosion fatigue

RESEARCH DETAILS

Pulp and paper industry
"Corrosion" of ceramics

COMMENTS

Assoc. profs. T. Tiainen and T. Mantyla also direct corrosion research

---

INSTITUTION NAME AND ADDRESS

Record number 558
Date of record: June 1988

Savcor - Consulting OY
Insinoorink 8

Mikkeli, 50100
Finland

Tel: 358 55 367503

DIRECTOR OF RESEARCH

M. Pulliainen

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
Soil corrosion
Marine corrosion
High temperature
Chemical and petroleum industry
Power generation industry
Steel industry
Potable and cooling water systems
Corrosion in concrete
Corrosive wear
Erosion/corrosion
Hydrogen permeation and embrittlement
Stress corrosion cracking

Corrosion fatigue
A.C. impedance
Localised corrosion
Passivity
Aqueous corrosion
Electrochemical processing and engineering
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 559
Date of record:June 1988

Technical Research Centre of Finland (VTT)
Metallurgy Laboratory
Metallimiehenkuja 4
Espoo, 02150
Finland

Tel:

DIRECTOR OF RESEARCH

T. Hakkarainen

KEY PERSONNEL

S.-P. Hannula, E. Hakka-Ronnholm, T. Kaunisto, A. Mahiout, M. Makipaa, M. Ronnholm, O. Varjonen, R. Nieminen and L. Carpen

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Inhibitors
Coatings
Atmospheric corrosion
Soil corrosion
Biological corrosion
Marine corrosion
Hot corrosion
Chemical and petroleum industry
Power generation industry
Potable and cooling water systems
Corrosion in concrete
Corrosion of composites and metalloids
Localised corrosion
Aqueous corrosion
Research techniques

RESEARCH DETAILS

Expert systems on corrosion

COMMENTS

S.-P. Hannula also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 560
Date of record:June 1988

Technical Research Centre of Finland (VTT)
Metals Laboratory
Kemistintie 3 (TH1)
Espoo, 02150
Finland

Tel:

DIRECTOR OF RESEARCH

H. Hanninen

KEY PERSONNEL

P. Aaltonen, I. Aho-Mantila, L. Hannson, S. Hietanen, K. Saarinen S. Tahtinen

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Marine corrosion
Power generation industry
Environmental cracking
Hydrogen permeation and embrittlement
Stress corrosion cracking
Corrosion fatigue
Aqueous corrosion
High temperature electrochemistry
Research techniques

RESEARCH DETAILS

High temperature electrochemistry of aqueous solutions

COMMENTS

P. Aaltonen also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 561
Date of record:June 1988

Abo Akademi
Department of Chemical Engineering
Biskopsgatan 8
Abo, 20500
Finland

Tel:

DIRECTOR OF RESEARCH

Docent M. Hupa

KEY PERSONNEL

B. Skrifvars, fil.lic. and R. Backman, tekn.lic.

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
High temperature
Hot corrosion
Power generation industry

RESEARCH DETAILS

COMMENTS

B. Skrifvars and R. Backman also direct corrosion research

INSTITUTION NAME AND ADDRESS

Record number 562
Date of record:June 1988

University of Oulu
Laboratory of Materials Engineering

Oulu, 90570
Finland

Tel:

DIRECTOR OF RESEARCH

L. P. Karjalainen

KEY PERSONNEL

M.-M. Riipinen and T. Miettinen

MAJOR AREAS OF RESEARCH

Steel industry
Electronics industry
Hydrogen permeation and embrittlement
Stress corrosion cracking

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 563
Date of record:June 1988

DCAN - CETEC/MCP

Place Bruat
Cherbourg, 50115
France

Tel:

DIRECTOR OF RESEARCH

H. Le Guyader

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Marine corrosion

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 564
Date of record:June 1988

Faculte des Sciences Mirande
Laboratoire de Recherches sur la Reactivite des Solides
B.P. 138
Dijon Cedex, 21004
France

Tel: 80 66 64 13

DIRECTOR OF RESEARCH

Prof. J. C. Colson

KEY PERSONNEL

G. Bertrand, D. Ciosmak, B. Gillot, M. Lillemant, J. P. Larpin, R. Oltra and S. Toesca

MAJOR AREAS OF RESEARCH

Fundamental aspects
High temperature
Corrosion in concrete
Hydrogen permeation and embrittlement
Stress corrosion cracking
Localised corrosion
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 565
Date of record:June 1988

Universite de Paris-Sud
Laboratoire de Metallurgie Structurale
Batiment 413
Orsay Cedex, 91405
France

Tel:

DIRECTOR OF RESEARCH

Prof. J. Philibert

KEY PERSONNEL

Prof. A. M. Huntz, Dr. J. Chene, Dr. B. Lesage, Dr. G. Moulin and Dr. A. M. Brass

MAJOR AREAS OF RESEARCH

Fundamental aspects
Coatings
Atmospheric corrosion
High temperature
Steel industry
Hydrogen permeation and embrittlement

RESEARCH DETAILS

COMMENTS

Prof. A. M. Huntz and Dr. J. Chene also direct corrosion research

---

INSTITUTION NAME AND ADDRESS

Record number 566
Date of record:June 1988

Centre de Rech. en Electrochemie Minerale et Genie des Procedes
(U.A. au C.N.R.S. no. 1212), E.N.S.E.E.G., Domaine Universitaire
B.P. 75
Saint-Martin D'Heres, 38402
France

Tel:

DIRECTOR OF RESEARCH

Prof. J.-J. Rameau

KEY PERSONNEL

Ingr.Dr. J.-P. Diard

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
High temperature
Hot corrosion
Chemical and petroleum industry
Corrosion of composites and metalloids
Stress corrosion cracking
A.C. impedance
Passivity
Electrochemical processing and engineering
High temperature electrochemistry
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 567
Date of record:June 1988

University of Technology of Compiegne (UTC)
Laboratoire d'Etude des Materiaux, Dept. de Genie Mecanique
B.P. 649
Compiegne, 60206
France

Tel: 44 20 99 60

DIRECTOR OF RESEARCH

Prof. G. Beranger

KEY PERSONNEL

F. Armanet, M. Lambertin, M. Clavel, C. Lemaitre, D. David and R. Caplain

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
Soil corrosion
Biological corrosion
Marine corrosion
High temperature
Hot corrosion
Chemical and petroleum industry
Power generation industry
Steel industry
Potable and cooling water systems
Environmental cracking
Corrosive wear
Stress corrosion cracking
Corrosion fatigue
A.C. impedance
Localised corrosion
Passivity
Aqueous corrosion
Research techniques

RESEARCH DETAILS

Thermal fatigue
Corrosion and ceramics
Effects of coatings on corrosion behaviour
Medical applications

COMMENTS

G. Beranger (theoretical aspects), F. Armanet (high temperature corrosion, thermal fatigue - ceramics), M. Lambertin (oxidizing and/or reducing atmopheres), M. Clavel (microstructural studies), C. Lemaitre (electrochemistry, monitoring, aqueous corrosion) and D. David, R. Caplain (surface studies)

INSTITUTION NAME AND ADDRESS

Record number 568

Date of record:June 1988

Universite de Provence
Laboratoire de Chimie des Materiaux, Equipe de Corrosion

Marseille Cedex 3, 13331
France

Tel:

DIRECTOR OF RESEARCH

Prof. J.-P. Crousier

KEY PERSONNEL

Drs. J. Crousier, M. Dubusc and Y. Massiani, Ing. A. Garnier

MAJOR AREAS OF RESEARCH

Coatings
Biological corrosion
Marine corrosion
Medical and dental applications
Aqueous corrosion

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 569

Date of record:June 1988

Cegedur Pechiney
R & D Department
B.P. 27
Voreppe, 38340
France

Tel:

DIRECTOR OF RESEARCH

M. C. Reboul

KEY PERSONNEL

C. Bommier

MAJOR AREAS OF RESEARCH

Fundamental aspects

Testing, detection and monitoring
Cathodic/anodic protection
Inhibitors
Atmospheric corrosion
Marine corrosion
Potable and cooling water systems
Batteries and fuel cells
Hydrogen permeation and embrittlement
Corrosion of composites and metalloids
Stress corrosion cracking
A.C. impedance
Localised corrosion
Passivity
Aqueous corrosion
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 570
Date of record:June 1988

Universite de Nancy
Laboratoire de Chimie du Solide Mineral, Faculte des Sciences
B.P. 239
Vandoeuvre Cedex, 54506
France

Tel:

DIRECTOR OF RESEARCH

P. Steinmetz

KEY PERSONNEL

J. Steinmetz, B. Roques, M. Vilasi, A. Constantini and J. M. Claude

MAJOR AREAS OF RESEARCH

Fundamental aspects
Coatings
Hot corrosion

RESEARCH DETAILS

COMMENTS

J. Stienmetz also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 571
Date of record:June 1988

Institut des Sciences de l'Ingenieur (CUST) Univ. Blaise-Pascal
Laboratoire de Photochemie Moleculaire et Macromoleculaire

Clermont-Ferrand,
France

Tel:

DIRECTOR OF RESEARCH

Prof. J. Lemaire

KEY PERSONNEL

Drs. M. Troquet and B. Laveissiere

MAJOR AREAS OF RESEARCH

Inhibitors
Coatings
A.C. impedance
Aqueous corrosion
Photoelectrochemistry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 572
Date of record: June 1988

Centre National de la Recherche Scientifique (C.N.R.S.)
Centre D'Etudes de Chimie Metallurgique
15 rue Georges Urbain
Vitry/Seine Cedex, 94400
France

Tel: 4687 35 93

DIRECTOR OF RESEARCH

Dr. K. Vu Quang

KEY PERSONNEL

Drs. B. Da Cunha, E. Chassaing, N. Jallerat, F. Bourelier, G. Lorang, B. Rondot and D. Gorse, C. Bombart and D. Colin and about 10 research fellows (Ph.D. candidates)

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Inhibitors
Coatings
Marine corrosion
Chemical and petroleum industry
Power generation industry
Steel industry
Stress corrosion cracking
A.C. impedance
Localised corrosion

Passivity
Aqueous corrosion
Electrochemical processing and engineering
High temperature electrochemistry
Photoelectrochemistry

RESEARCH DETAILS

Plating of alloys - Pulse plating
Aqueous high temperature corrosion
High temperature electrochemistry under gas pressure
AES (film study), SEM, TEM, radio-activation analysis

COMMENTS

Dr. B. Da Cunha also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 573
Date of record:June 1988

Ecole des Mines
Departement Materiaux

St. Etienne Cedex 2, 42023
France

Tel:

DIRECTOR OF RESEARCH

J. Lecoze

KEY PERSONNEL

T. Magnin, P. Rieux, J. Stolarz, M. Rebiere, C. Ramade and H. Randrianarivony

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Environmental cracking
Hydrogen permeation and embrittlement
Stress corrosion cracking
Corrosion fatigue
Localised corrosion
Passivity

RESEARCH DETAILS

COMMENTS

T. Magnin also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 574

Date of record:June 1988

Laboratoire de Mecanique Physique

351 Cours de la Liberation
Talence Cedex, 33405
France

Tel:

DIRECTOR OF RESEARCH

D. Desjardins

KEY PERSONNEL

M. C. Petit, M. Cid, C. Jouanneau, M. Puiggali and C. Sarrazin

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Coatings
Environmental cracking
Stress corrosion cracking
Corrosion fatigue
A.C. impedance

RESEARCH DETAILS

COMMENTS

M. C. Petit also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 575
Date of record:June 1988

Institut National de la Recherche Agronomique
Laboratoire de Recherche de Technologie Laitiere
65 rue de Brieuc
Rennes Cedex, 35042
France

Tel:

DIRECTOR OF RESEARCH

G. Daufin

KEY PERSONNEL

F.-L. Kerherve and F. Michel

MAJOR AREAS OF RESEARCH

New materials for corrosion
Localised corrosion
Aqueous corrosion
Electrochemical processing and engineering

RESEARCH DETAILS

Food industry
Dairy industry
Membrane separation processing and engineering

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 576
Date of record:June 1988

Centre d'Etudes et de Developpement (SOLLAC)

B.P. No.2
Montataire, 60160
France

Tel:

DIRECTOR OF RESEARCH

Mme. D. Quantin

KEY PERSONNEL

Mme. S. Petetin and M. P. Lucas

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
Steel industry
Localised corrosion

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 577
Date of record:June 1988

Groupe des Laboratoires

21 Allee Privee - Carrefour Pleyel
Saint-Denis Cedex 01, 93206
France

Tel:

DIRECTOR OF RESEARCH

Ph. Berge

KEY PERSONNEL

MM. Saint-Paul, Calle, Fiquet and de Keroulas

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Cathodic/anodic protection
Marine corrosion
Power generation industry
Erosion/corrosion
Stress corrosion cracking

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS   Record number   578
----------------------------   Date of record:June 1988
Ecole Centrale de Lyon (ECL)
Dept. Metallurgie Physique - Materiaux (UA-CNRS 447)
36 Av. de Collongue, B.P. 163
Ecully, 69131
France

Tel:

DIRECTOR OF RESEARCH

Prof. P. Guiraldenq

KEY PERSONNEL

Profs. Brugirard and Blanc-Benon (ECL et Faculte Dentaire de Lyon) and Prof. Treheux

MAJOR AREAS OF RESEARCH

Coatings
Biological corrosion
Marine corrosion
Corrosive wear
Medical and dental applications
Erosion/corrosion
Corrosion fatigue

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS   Record number   579
----------------------------   Date of record:June 1988
E. N. S. des Techniques Industrielles et des Mines de Douai

941 rue Charles Bourseul
Douai, 59500
France

Tel:

DIRECTOR OF RESEARCH

Dr.Ing. P. Hoch

KEY PERSONNEL

Dr. V. Lepingle

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
New materials for corrosion
Inhibitors
Coatings
Atmospheric corrosion
High temperature
Hot corrosion
Chemical and petroleum industry
Power generation industry
Potable and cooling water systems
Environmental cracking
Medical and dental applications
Liquid metal corrosion and embrittlement
Stress corrosion cracking
Corrosion fatigue
A.C. impedance
Localised corrosion
Passivity
Aqueous corrosion
High temperature electrochemistry

RESEARCH DETAILS

All areas of corrosion research constitute technical assistance to industries only, except for the following areas, which comprise either (a) both fundamental research and technical assistance to industries: atmospheric corrosion, power generation industry, stress corrosion cracking and aqueous corrosion or (b) fundamental research only: high temperature electrochemistry.

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 580
Date of record: June 1988

Centre Commun de Recherche Louis Bleriot
Laboratoire Central
12 rue Pasteur, B.P. 76
Suresnes Cedex, 92152
France

Tel:

DIRECTOR OF RESEARCH

J. Odorico

KEY PERSONNEL

J.-J. Bodu and J.-M. Cuntz

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
New materials for corrosion
Coatings
Atmospheric corrosion
Biological corrosion
Marine corrosion
Environmental cracking
Erosion/corrosion
Hydrogen permeation and embrittlement
Liquid metal corrosion and embrittlement
Corrosion of composites and metalloids
Stress corrosion cracking
Corrosion fatigue
Localised corrosion
Passivity
Aqueous corrosion

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 581
Date of record:June 1988

IRSID

Rue President Roosevelt
St. Germain en Laye, 78105
France

Tel:

DIRECTOR OF RESEARCH

J. C. Charbonnier

KEY PERSONNEL

D. Massinon and H. Margot-Marette

MAJOR AREAS OF RESEARCH

New materials for corrosion
Coatings
Atmospheric corrosion
Marine corrosion
High temperature
Chemical and petroleum industry
Steel industry
Corrosion in concrete
Environmental cracking

Hydrogen permeation and embrittlement
Stress corrosion cracking
Corrosion fatigue
A.C. impedance
Localised corrosion
Passivity

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 582
Date of record:June 1988

Laboratoire de Microanalyse des Surfaces
ENSMM - La Bouloie
Route de Gray
Besancon Cedex, 25030
France

Tel:

DIRECTOR OF RESEARCH

C. Roques-Carmes

KEY PERSONNEL

D. Wehbi, AM. Merillon, G. Monteil, JF. Quiniou and C. Leroux

MAJOR AREAS OF RESEARCH

Atmospheric corrosion
A.C. impedance
Localised corrosion
Electrochemical processing and engineering

RESEARCH DETAILS

Fractal approach

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 583
Date of record:June 1988

Universite Pierre et Marie Curie (associe a)
Lab. de Physique des Liquides et Electrochemie - LP15 du CNRS
4 place Jussieu
Paris Cedex 05, 75252
France

Tel:

DIRECTOR OF RESEARCH

Dr. M. Froment

KEY PERSONNEL

Drs. M. Keddam, A. Hugot-Le Goff, H. Cachet, C. Gabrielli, F. Huet, C. Deslouis, B. Tribollet, H. Takenouti, L. Beaunier, S. Joiret, P. Delichere, Ph. Allongue and E. Souteyrand

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Coatings
Atmospheric corrosion
Erosion/corrosion
A.C. impedance
Localised corrosion
Passivity
Aqueous corrosion
Photoelectrochemistry

RESEARCH DETAILS

COMMENTS

Drs. M. Keddam, A. Hugot-Le Goff and H. Cachet also direct corrosion research

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INSTITUTION NAME AND ADDRESS

Record number 584
Date of record:June 1988

Institut National des Sciences Appliquees
Laboratoire Physicochimie Industrielle
Batiment 401
Villeurbanne Cedex, 69621
France

Tel:

DIRECTOR OF RESEARCH

Prof. H. Mazille

KEY PERSONNEL

Drs. S. Audisio, J. P. Millet, H. Pham and Ch. Sinicki (Mme) plus Mme. S. Chechirlian, Ch. Klam, H. Idrissi, M. Lemiti and R. Rothea (all engineers or Ph.D.'s) and 5 research students

MAJOR AREAS OF RESEARCH

Fundamental aspects
New materials for corrosion
Inhibitors
Coatings
Biological corrosion
High temperature
Chemical and petroleum industry
Potable and cooling water systems
Environmental cracking
Stress corrosion cracking
A.C. impedance

Localised corrosion
Passivity
Aqueous corrosion

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 585
Date of record:June 1988

Rhone Poulenc Industrialisation

24 Avenue Jean Jaures
Decines Cedex, 69151
France

Tel:

DIRECTOR OF RESEARCH

G. Kneib

KEY PERSONNEL

Y. Cetre, P. Eichner and A. Ferat

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
New materials for corrosion
Coatings
High temperature
Chemical and petroleum industry
Potable and cooling water systems
Erosion/corrosion
Hydrogen permeation and embrittlement
Corrosion of composites and metalloids
Stress corrosion cracking
A.C. impedance
Localised corrosion
Aqueous corrosion

RESEARCH DETAILS

Nonmetallic materials for CPI

COMMENTS

INSTITUTION NAME AND ADDRESS — Record number 586
Date of record:June 1988

Centre Technique des Industries de la Fonderie (CTIF)

B.P. 113
Sevres Cedex, 92312
France

Tel:

DIRECTOR OF RESEARCH

J. C. Margerie

KEY PERSONNEL

D. Arnaud, M. Richard, M. T. Leger and A. Reynaud

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
New materials for corrosion
Atmospheric corrosion
Marine corrosion
Hot corrosion
Localised corrosion
Passivity
Aqueous corrosion

RESEARCH DETAILS

Corrosion of foundry alloys

COMMENTS

D. Arnaud also directs corrosion research
J. C. Margerie (metallurgy), D. Arnaud (laboratories), M. Richard (copper alloys), M. T. Leger (steel castings) and A. Reynaud (cast irons)

INSTITUTION NAME AND ADDRESS — Record number 587
---------------------------- — Date of record:June 1988

Ecole Nationale Superieure de Chimie de Paris
Laboratoire de Physico-Chemie des Surfaces associe au CNRS
11 rue Pierre et Marie Curie
Paris, 75005
France

Tel:

DIRECTOR OF RESEARCH

P. Marcus

KEY PERSONNEL

J. OUdar, E. Protopopoff, J. M. Grimal, J. M. Herbelin and J. M. Siffre

MAJOR AREAS OF RESEARCH

Fundamental aspects
Cathodic/anodic protection
Power generation industry
Hydrogen permeation and embrittlement
Localised corrosion
Passivity

Aqueous corrosion

RESEARCH DETAILS

COMMENTS

J. Oudar also directs corrosion research

INSTITUTION NAME AND ADDRESS

Record number 588
Date of record:June 1988

Institut National des Sciences Appliquees
Laboratoire de Metallurgie et Physicochimie des Materiaux
20 av. des Buttes de Coesmes
Rennes Cedex, 35043
France

Tel: 99 28 64 72

DIRECTOR OF RESEARCH

Prof. J. Debuigne

KEY PERSONNEL

Drs. Bars, Etchessahar and Ansel

MAJOR AREAS OF RESEARCH

New materials for corrosion
High temperature
Hot corrosion

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 589
Date of record:June 1988

Ecole Centrale des Arts et Manufactures
Corrosion and Hydrogen Embrittlement Laboratory
Grande Voie des Vignes
Chatenay-Malabry Cdx, 92295
France

Tel: 46 83 62 62

DIRECTOR OF RESEARCH

Prof. J. Galland

KEY PERSONNEL

Ph.D. students: MM. M. Habashi, M. Jerome, F. Wenger and P. Ponthiaux and MMmes. C. Dagbert and B. Paramorice

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Coatings
Marine corrosion
Chemical and petroleum industry
Steel industry
Corrosion in concrete
Environmental cracking
Corrosive wear
Hydrogen permeation and embrittlement
Stress corrosion cracking
Corrosion fatigue
A.C. impedance
Localised corrosion
Passivity
Aqueous corrosion

RESEARCH DETAILS

Dental applications
Aeronautical industry
Cathodic protection

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 590
Date of record: June 1988

Ecole Nationale Superieure de Chimie de Toulouse
Laboratory of Physical Metallurgy - associated with CNRS No.445
118 route de Narbonne
Toulouse Cedex, 31077
France

Tel:

DIRECTOR OF RESEARCH

Prof. F. Dabosi

KEY PERSONNEL

B. Nam, G. Chatanier, B. Pieraggi, N. Pebere and Y. Roques plus about ten graduate students

MAJOR AREAS OF RESEARCH

Fundamental aspects
New materials for corrosion
Inhibitors
Coatings
Marine corrosion
High temperature
Environmental cracking
Medical and dental applications
Stress corrosion cracking
A.C. impedance
Localised corrosion

Passivity
Aqueous corrosion

RESEARCH DETAILS

Surface analysis methods: ESCA, AES, SIMS, STEM, MBE, ellipsometry

COMMENTS

B. Nam, G. Chatainier, B. Peiraggi, N. Pebere and Y. Roques are all group leaders

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INSTITUTION NAME AND ADDRESS

Record number 591
Date of record: June 1988

Rhone Poulenc Sante
Centre de Recherches de Vitry
13 Quai Jules Guesde, B.P. 14
Vitry sur Seine Cdx, 94403
France

Tel:

DIRECTOR OF RESEARCH

J. Bouhiron

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
New materials for corrosion
Coatings
Chemical and petroleum industry
Potable and cooling water systems
Erosion/corrosion
Hydrogen permeation and embrittlement
Corrosion of composites and metalloids
Stress corrosion cracking
Localised corrosion
Aqueous corrosion

RESEARCH DETAILS

Nonmetallic materials for chemical processes

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 592
Date of record: June 1988

Etablissement Technique Central de l'Armement (C.R.E.A.)

16 bis Avenue Prieux de la Cote d'Or
Arcueil Cedex,

France

Tel:

DIRECTOR OF RESEARCH

N. Celati

KEY PERSONNEL

C. Bataillon

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
New materials for corrosion
Coatings
Marine corrosion
High temperature
Hot corrosion
Steel industry
Corrosive wear
Erosion/corrosion
Stress corrosion cracking
A.C. impedance
Localised corrosion
Passivity
Aqueous corrosion

RESEARCH DETAILS

Electrochemical noise

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 593
Date of record:June 1988

University of Zagreb
Physical Chemistry & Corrosion Lab., Food Tech. & Biotech. Dept.
Pierottijeva 6
Zagreb,
Yugoslavia

Tel:

DIRECTOR OF RESEARCH

Prof.Dr. N. Cikovic

KEY PERSONNEL

5 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Cathodic/anodic protection
Inhibitors

Coatings

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS
Record number 594
Date of record:June 1988

Gradevinski Institut (Civil Engineering Institute)

Hrvatska, J. Rakuse 1
Zagreb,
Yugoslavia

Tel:

DIRECTOR OF RESEARCH

Dr. L. Dukic

KEY PERSONNEL

3 associates

MAJOR AREAS OF RESEARCH

Coatings
Atmospheric corrosion
Power generation industry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS
Record number 595
Date of record:June 1988

University of Zagreb
Material Protection Lab., Mech. Engng. & Naval Architecture Fac.
Salajeva 5
Zagreb, 41000
Yugoslavia

Tel:

DIRECTOR OF RESEARCH

Prof.Dr. I. Esih

KEY PERSONNEL

4 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring

Coatings
Atmospheric corrosion
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS Record number 596
---------------------------- Date of record:June 1988

Chemical Industry Pancevo (HIP)
Corrosion Laboratory
RO Azotara, OOUR KKOM, Spoljnostarcevacka 80
Pancevo, 26000
Yugoslavia

Tel:

DIRECTOR OF RESEARCH

S. Kostic

KEY PERSONNEL
----
4 associates

MAJOR AREAS OF RESEARCH

Testing, detection and monitoring
Inhibitors
Coatings
Hot corrosion
Chemical and petroleum industry

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS Record number 597
---------------------------- Date of record:June 1988

Faculty of Technology and Metallurgy
Laboratory for Materials Corrosion and Protection
SR Srbija, Karnedzijeva 4
Beograd, 11000
Yugoslavia

Tel:

DIRECTOR OF RESEARCH

Prof.Dr. S. Mladenovic

KEY PERSONNEL
----
3 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
Inhibitors
Coatings

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS   Record number   598
----------------------------   Date of record:June 1988
University of Zagreb
Chemical Laboratory, Mining, Geology and Petroleum Engng. Dept.
Pierottijeva 6
Zagreb,
Yugoslavia

Tel:

DIRECTOR OF RESEARCH

Prof.Dr. O. Sarc-Lahodny

KEY PERSONNEL
----
4 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Inhibitors
Marine corrosion
Chemical and petroleum industry
Potable and cooling water systems

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS   Record number   599
----------------------------   Date of record:June 1988
Institute of the Corrosion and Protection of Metals

SR Hrvatska, Vlaha Bukovca
Dubrovnik,
Yugoslavia

Tel:

DIRECTOR OF RESEARCH

Prof.Dr. O. Sarc-Lahodny

KEY PERSONNEL

3 associates

MAJOR AREAS OF RESEARCH

Cathodic/anodic protection
Marine corrosion

RESEARCH DETAILS

COMMENTS

Prof.Dr. O. Sarc-Lahodny is at the Yugoslav Academy of Sciences and Arts, Zagreb, Zrinski trg. 11

INSTITUTION NAME AND ADDRESS

Record number 600
Date of record:June 1988

University of Zagreb
Institute of Chemical Engineering, Technological Faculty
Marulicev trg 20
Zagreb, Croatia
Yugoslavia

Tel:

DIRECTOR OF RESEARCH

Prof.Dr. I. Stern

KEY PERSONNEL

3 associates

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Research techniques

RESEARCH DETAILS

Expert systems, data bases, computerized systems for corrosion testing

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 601
Date of record:June 1988

Penn State University
Corrosion Laboratory, Dept. of Materials Science & Engineering

University Park, Pennsylvania 16802
U.S.A.

Tel: (814) 865-5446

DIRECTOR OF RESEARCH

H. Pickering

KEY PERSONNEL

K. Osseo-Asare and G. Simkovich plus post-doctoral fellows: Y. Kho, K. Hono and R. Iyer and graduate students: B. Parks, W. Kelly, Y. Choi and M. Nakamura

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
Coatings
Marine corrosion
High temperature
Hot corrosion
Chemical and petroleum industry
Power generation industry
Steel industry
Electronics industry
Corrosion in concrete
Environmental cracking
Hydrogen permeation and embrittlement
Stress corrosion cracking
A.C. impedance
Localised corrosion
Passivity
Aqueous corrosion
Electrochemical processing and engineering
Research techniques

RESEARCH DETAILS

COMMENTS

K. Osseo-Asare and G. Simkovich also direct corrosion research

---

INSTITUTION NAME AND ADDRESS

Record number 602
Date of record: June 1988

Columbia University
Department of Chemical Engineering and Applied Chemistry

New York, New York 10027
U.S.A.

Tel:

DIRECTOR OF RESEARCH

U. Stimming

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

Fundamental aspects
Testing, detection and monitoring
Cathodic/anodic protection
New materials for corrosion
Electronics industry
A.C. impedance
Localised corrosion
Passivity
Aqueous corrosion
Photoelectrochemistry
Research techniques

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS　　　　Record number　　　603
Date of record:June 1988

Instituto Nacional de Tecnologia - INT

Avenida Venezuela 82
Rio de Janeiro, 20081
Brazil

Tel:

DIRECTOR OF RESEARCH

Dr. L. Uller

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS　　　　Record number　　　604
Date of record:June 1988

Instituto de Pesquisas Tecnologicas de Sao Paolo - IPT
Div. de Metalurgia, Campus da Cidade Universitaria da USP
Caixa Postal 7141
Sao Paolo, 05508
Brazil

Tel:

DIRECTOR OF RESEARCH

Dra. R. Chaves

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS | Record number 605
Date of record:June 1988

Fundacao de Ciencia e Tecnologia - CIENTEC
Dep. Ensaios de Materiais
Rua Washington Luiz 675, Caixa Postal 1864
Porto Alegre, 90010
Brazil

Tel:

DIRECTOR OF RESEARCH

Dr. F. A. P. Recena

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS | Record number 606
Date of record:June 1988

Centro Pesquisas e Desenvolvimento da Bahia - CEPED

Rodovia BA-536, km 0
Camacari, 42800
Brazil

Tel:

DIRECTOR OF RESEARCH

Dra. M. G. Ataide

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS   Record number   607
----------------------------   Date of record:June 1988
Universidade Federal do Rio de Janiero - COPPE/UFRJ
Coordenacao dos Programas de Pos Graduacao em Engenharia
Ilha da Cidade Universitaria
Rio de Janiero, 20910
Brazil

Tel:

DIRECTOR OF RESEARCH

Prof.Dr. R. Adamian

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS   Record number   608
----------------------------   Date of record:June 1988
Universidade Federal Do Rio Grande Do Sul
Departamento de Metalurgia
Avenida Osvaldo Aranha 99 - 6. andar
Porto Alegre, 90000
Brazil

Tel:

DIRECTOR OF RESEARCH

Dra. I. L. Muller

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 609
Date of record:June 1988

Universidade Federal de Sao Carlos
Departamento de Eletroquimica
Rodovia Washington Luiz, km 235, Caixa Postal 276
Sao Carlos, 13560
Brazil

Tel:

DIRECTOR OF RESEARCH

Prof.Dr. C. V. D'Alkaine

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 610
Date of record:June 1988

Instituto Tecnologico de Aeronautica - ITA
Departamento de Fisico-Quimica

Sao Jose dos Campos, 12200
Brazil

Tel:

DIRECTOR OF RESEARCH

Prof.Dr. M. A. G. Cecchini

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 611
Date of record:June 1988

Centro de Pesquisas Leopoldo Americo M. de Mello-PETROBRAS/CENPES

Ilha da Cidade Universitaria, Quadra 7
Rio de Janiero, 21910

Brazil

Tel:

DIRECTOR OF RESEARCH

Dra. R. de Oliveira Viana

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS　　　Record number 612
----------------------------　　　Date of record:June 1988
Centro de Pesquisas de Energia Eletrica - CEPEL/ELETROBRAS
Departamento de Materiais
Ilha de Cidade Universitaria, Caixa Postal 2754
Rio de Janiero, 20001
Brazil

Tel:

DIRECTOR OF RESEARCH

Dr. W. A. Mannheimer

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS　　　Record number 613
----------------------------　　　Date of record:June 1988
Centro de Pesquisas da Cia. Siderurgica Nacional

Rua 21, no. 10
Volta Redonda, 27180
Brazil

Tel:

DIRECTOR OF RESEARCH

Dr. W. R. Rosa

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 614
Date of record:June 1988

Centro de Pesquisas da Usiminas

Rodovia BR 381, km 210, Caixa Postal 22
Ipatinga, 35160
Brazil

Tel:

DIRECTOR OF RESEARCH

Dr. J. A. de Queiroz Pinto

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Record number 615
Date of record:June 1988

Centro de Pesquisas da COSIPA

Estrada de Piacaguera, km 6
Cubatao, 11500
Brazil

Tel:

DIRECTOR OF RESEARCH

Dra. L. Marcondes

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Centro de Pesquisas da ECOLAB

Record number 616
Date of record:June 1988

Rua Nelson da Silva 375, Santa Cruz
Rio de Janiero, 23500
Brazil

Tel:

DIRECTOR OF RESEARCH

Prof. V. Gentil

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

RESEARCH DETAILS

COMMENTS

INSTITUTION NAME AND ADDRESS

Centro de Pesquisas da AQUATEC

Record number 617
Date of record:June 1988

Rodovia Raposo Tavares 22901
Cotia, 06700
Brazil

Tel:

DIRECTOR OF RESEARCH

Dr. A. A. Marques

KEY PERSONNEL

MAJOR AREAS OF RESEARCH

RESEARCH DETAILS

COMMENTS

```
INSTITUTION NAME AND ADDRESS              Record number        618
----------------------------              Date of record:June 1988
Associacao Brasileira de Corrosao - ABRACO

Avenida Venezuela 27 s/ 412
Rio de Janiero,  20081
Brazil

Tel:

DIRECTOR OF RESEARCH
--------------------
Dr. L. Uller

KEY PERSONNEL
-------------

MAJOR AREAS OF RESEARCH
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RESEARCH DETAILS
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COMMENTS
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-----------------------------------------------------------------

INSTITUTION NAME AND ADDRESS              Record number        619
----------------------------              Date of record:June 1988
Instituto Nacional de Tecnologia
Nucleo de Informacao de Corrosao
Avenida Venezuela 82 s/ 404
Rio de Janiero,  20081
Brazil

Tel:

DIRECTOR OF RESEARCH
--------------------
G. M. Coelho

KEY PERSONNEL
-------------

MAJOR AREAS OF RESEARCH
-----------------------

RESEARCH DETAILS
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COMMENTS
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CORROSION SURVEY INDEXED BY TOPIC
AREA AND RECORD NUMBER

Fundamental aspects

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--------------------------------------------------------------------------------

Record numbers:
       1         2         4         5         6         7         9
      11        12        13        14        15        16        17
      18        19        20        21        22        24        25
      26        47        52        55        59        60        62
      63        65        66        67        69        70        73
      74        75        77        79        80        81        82
      86        87        89        90        91        92        94
      95        96        99       100       102       103       137
     144       194       197       204       211       212       213
     216       217       219       220       223       224       226
     228       231       232       235       236       244       246
     251       254       255       257       260       267       268
     275       282       283       284       286       287       288
     289       291       292       293       294       295       297
     299       302       303       304       305       306       308
     319       322       324       325       327       328       331
     332       333       336       338       343       344       347
     349       352       358       361       362       365       366
     368       369       370       374       375       377       378
     381       393       394       395       401       405       408
     410       413       416       418       419       420       421
     422       424       425       426       428       429       430
     431       433       434       435       439       440       443
     444       448       449       455       456       457       458
     459       460       461       462       463       465       467
     468       469       470       471       472       473       474
     475       476       477       480       485       486       488
     489       492       493       494       495       498       500
     503       504       505       511       512       514       515
     516       517       520       521       523       528       531
     538       539       541       543       546       548       549
     550       551       552       553       555       556       558
     561       564       565       566       567       569       570
     572       573       574       583       584       587       589
     590       592       593       597       598       600       601
     602
```

Testing, detection and monitoring

Record numbers:

1	3	4	6	8	9	11
12	14	16	18	20	22	26
36	43	44	45	54	55	56
59	60	62	63	69	70	71
73	74	76	77	80	82	84
85	87	88	89	90	91	92
94	99	100	101	108	109	139
168	175	194	204	213	215	216
228	229	231	234	235	237	238
239	240	242	244	248	250	251
253	256	258	259	261	267	283
284	285	286	287	288	289	290
291	292	293	294	295	297	298
299	300	302	303	304	305	309
321	322	323	324	325	327	328
329	330	331	332	336	337	338
339	340	341	343	344	345	347
348	349	351	352	353	354	355
358	360	361	362	365	366	372
374	377	378	379	387	388	395
396	397	404	413	415	417	418
420	424	425	426	428	429	430
431	432	433	435	438	439	441
442	443	444	445	446	448	449
450	451	452	453	454	455	456
458	459	461	464	465	466	467
470	473	474	476	480	482	486
489	495	496	497	498	499	501
502	503	504	508	511	513	516
517	518	519	520	528	529	530
531	533	536	537	538	541	542
544	547	548	550	552	553	554
556	557	558	559	560	561	566
567	569	572	573	574	576	577
579	580	583	585	586	589	591
592	595	596	597	600	601	602

Cathodic/anodic protection

```
Record numbers:
          4         6         8        22        26        33        34
         36        38        59        67        68        69        73
         78        82        84        85        86        90        94
         98        99       103       138       144       145       195
        216       220       228       231       234       235       236
        243       244       248       249       250       266       267
        268       279       283       284       285       287       288
        289       291       294       297       299       300       301
        302       305       306       323       324       329       330
        331       338       340       344       346       347       349
        352       361       362       373       377       378       381
        387       388       398       402       405       412       413
        415       417       420       422       424       425       435
        448       457       461       467       470       472       474
        481       482       484       485       487       489       495
        496       498       501       502       504       505       506
        509       519       520       523       537       545       550
        552       556       558       567       569       577       587
        593       597       599       601       602
```

New materials for corrosion

Record numbers:

1 6 11 14 16 17 20
21 22 24 25 26 27 32
45 46 52 62 63 69 70
73 74 80 82 89 90 92
94 96 98 99 100 112 113
130 181 228 231 234 235 239
244 249 250 251 253 255 256
257 258 260 267 268 271 280
283 284 285 286 287 288 289
290 292 293 294 298 299 302
303 304 305 321 323 324 327
328 329 330 338 340 344 345
347 351 352 353 355 358 360
361 362 365 366 374 375 377
378 403 405 409 411 418 420
424 425 429 430 431 432 433
434 441 443 451 456 458 459
462 463 466 469 470 473 474
476 479 481 482 486 492 495
501 502 503 504 511 515 517
519 520 527 532 538 539 547
551 552 553 554 556 557 558
567 572 573 575 576 579 580
581 584 585 586 588 589 590
591 592 602

```
Inhibitors
------------------------------------------------------------------------


Record numbers:
         6         8        15        18        22        26        47
        51        54        67        69        71        73        75
        77        87        88        90        91        92        94
        98        99       114       143       161       170       178
       199       216       217       220       221       222       224
       228       230       231       235       236       237       238
       242       243       244       251       254       257       259
       267       273       284       287       288       289       290
       291       292       293       294       295       296       299
       301       302       305       306       312       317       323
       324       327       329       330       333       338       339
       340       344       345       346       347       348       349
       350       351       352       361       363       365       366
       367       369       371       374       375       378       379
       381       382       393       397       402       405       409
       411       416       418       419       420       421       423
       424       426       431       433       438       441       448
       451       453       458       459       460       461       462
       463       467       470       473       474       475       476
       479       480       481       482       483       485       488
       495       498       499       500       501       505       511
       513       514       515       518       519       520       521
       523       527       528       530       541       543       544
       546       548       549       550       552       553       556
       558       559       567       569       571       572       576
       579       584       590       593       596       597       598
```

```
Coatings
------------------------------------------------------------------

Record numbers:
         6         7        11        14        16        17        20
        21        26        28        41        47        52        59
        60        61        65        68        71        73        76
        78        80        84        87        88        89        90
        91        94        98        99       100       106       107
       118       119       125       126       131       146       149
       154       156       159       160       166       170       173
       177       183       184       187       193       195       201
       212       214       216       217       218       220       221
       223       225       228       229       230       231       234
       235       236       243       244       246       249       250
       251       252       253       254       255       258       267
       268       269       273       274       276       279       280
       283       284       285       286       287       289       290
       291       292       293       294       296       297       298
       299       302       303       305       306       312       315
       320       321       323       324       329       330       332
       333       338       340       341       342       343       346
       347       348       349       350       352       353       354
       355       356       358       359       360       363       364
       365       368       371       372       373       376       377
       378       380       381       382       384       389       392
       400       401       402       403       405       406       407
       409       410       412       413       416       418       419
       420       421       422       424       427       428       432
       433       434       437       438       441       445       447
       449       450       454       457       458       463       464
       465       467       469       470       471       474       475
       476       477       479       481       482       487       488
       489       490       492       493       495       496       498
       499       500       501       502       507       509       511
       512       513       516       519       520       521       523
       528       530       533       535       537       539       540
       542       543       544       546       550       551       552
       553       555       556       557       558       559       565
       567       568       570       571       572       574       576
       578       579       580       581       583       584       585
       589       590       591       592       593       594       595
       596       597       601
```

Atmospheric corrosion

```
Record numbers:
            6          9         26         30         36         59         70
           71         72         73         74         77         78         80
           82         83         84         88         90         94         99
          104        108        118        119        139        141        195
          228        231        233        234        235        241        242
          244        249        252        253        256        258        267
          268        269        284        286        290        292        293
          294        295        296        297        299        302        305
          312        315        320        321        322        323        325
          330        332        335        337        338        341        342
          343        346        347        349        350        352        358
          360        362        368        371        377        378        380
          381        400        405        418        419        420        424
          431        435        441        445        449        450        452
          454        458        464        465        466        467        469
          470        472        473        479        483        485        491
          495        496        498        501        502        503        510
          511        513        516        519        520        521        524
          528        537        540        542        543        546        547
          548        549        550        552        553        556        558
          559        565        567        569        576        579        580
          581        582        583        586        594        595
```

Soil corrosion

Record numbers:

2 6 26 40 59 60 69
73 75 76 82 87 90 98
99 104 109 138 144 145 175
195 229 231 235 241 242 248
258 284 288 300 302 312 323
324 333 336 337 338 343 349
360 376 378 395 398 405 417
420 425 432 435 441 452 457
464 467 485 489 491 504 506
509 513 516 520 525 527 547
549 550 552 558 559 567

Biological corrosion

Record numbers:

306 307 324 334 384 436 465
478 483 501 559 567 568 578
580 584

```
Marine corrosion
-----------------------------------------------------------------------

Record numbers:
           2          6          9         22         35         38         45
          51         54         56         67         68         69         70
          73         74         76         82         90         91         92
          94         98         99        104        111        128        138
         141        144        153        166        176        181        189
         190        198        203        205        214        216        218
         220        223        224        228        231        235        244
         248        249        250        258        267        268        279
         284        285        286        288        293        295        297
         298        299        301        302        303        307        312
         313        315        320        323        324        325        329
         330        331        333        337        338        340        341
         342        343        345        346        349        350        351
         352        358        360        361        366        367        372
         375        376        377        378        383        384        390
         393        402        405        413        420        438        443
         446        452        454        457        458        466        479
         484        485        491        495        496        498        501
         503        504        505        512        513        515        520
         523        528        537        538        540        544        545
         546        548        549        552        553        554        555
         556        558        559        560        563        567        568
         569        572        577        578        580        581        586
         589        590        592        598        599        601
```

```
High temperature
-----------------------------------------------------------------------


Record numbers:
         3           6           7           8          10          12          14
        16          17          18          22          24          28          31
        32          37          61          62          63          64          68
        69          71          73          75          81          84          90
        92          93          94          95          96          99         101
       102         105         109         117         118         127         133
       137         140         144         147         158         169         171
       181         182         183         188         201         202         204
       207         210         211         212         214         215         216
       222         223         228         229         231         232         235
       244         246         255         257         268         269         280
       282         283         284         285         289         292         294
       299         305         309         312         316         318         319
       340         345         347         350         355         356         362
       365         366         367         370         373         375         378
       385         387         391         394         405         418         424
       432         434         435         443         458         466         469
       472         473         492         493         495         497         501
       512         513         518         521         532         551         552
       553         555         556         557         558         561         564
       565         566         567         579         581         584         585
       588         590         592         601
```

Hot corrosion

```
Record numbers:
            6          8         10         16         17         22         24
           25         26         28         31         37         46         51
           56         61         62         63         65         69         71
           73         75         84         90        102        133        147
          168        202        211        229        231        244        255
          268        278        280        283        284        285        292
          294        299        303        305        312        316        319
          324        330        338        340        346        347        349
          350        355        365        366        367        378        391
          394        403        418        422        426        435        438
          443        450        458        459        466        473        477
          492        493        495        501        502        518        532
          547        552        553        559        561        566        567
          570        579        586        588        592        596        601
```

Chemical and petroleum industry

Record numbers:

2 5 6 18 22 26 34
43 53 63 67 69 70 73
82 83 84 87 90 92 94
98 99 101 102 103 142 180
185 191 198 200 203 206 216
219 220 221 224 229 231 235
236 237 238 239 244 248 251
254 256 258 259 260 267 268
271 283 284 285 286 287 288
289 290 294 295 299 301 302
303 305 306 313 319 320 324
327 329 330 334 338 340 341
347 349 350 351 352 353 358
366 372 376 378 379 380 389
396 402 405 413 415 420 421
423 424 429 431 435 436 438
440 441 443 444 451 452 453
456 457 459 466 469 470 473
476 481 484 485 486 491 493
494 495 501 504 508 513 516
518 519 523 532 538 547 550
552 556 558 559 566 567 572
579 581 584 585 589 591 596
598 601

```
Power generation industry
-------------------------------------------------------------------------


Record numbers:
        6        7       11       22       24       26       39
       42       57       59       60       62       63       69
       70       73       74       75       89       90       92
       96       99      101      102      109      118      142
      148      168      178      204      205      206      214
      215      216      219      220      221      224      229
      232      235      241      244      246      247      248
      257      258      268      277      283      284      285
      289      293      294      299      302      303      321
      323      324      327      331      332      337      339
      347      350      351      352      357      361      362
      378      388      397      403      405      409      411
      420      424      426      429      430      431      432
      435      436      440      441      443      448      451
      453      458      459      466      467      469      473
      491      493      495      497      501      504      508
      513      514      516      519      523      538      545
      547      550      553      556      557      558      559
      560      561      567      572      577      579      587
      594      601
```

Steel industry

Record numbers:

179 182 186 192 196 268 555
558 562 565 567 572 576 581
589 592 601

Electronics industry

```
Record numbers:
         5          6          7         25         26         32         36
        48         49         50         63         67         69         73
        76         80         83         90         99        100        165
       234        235        248        273        290        292        297
       299        302        323        327        332        358        420
       424        431        473        501        513        519        520
       521        557        562        601        602
```

Potable and cooling water systems

Record numbers:

```
        6        8       15       18       26       60       69
       73       82       89       90       91       92       99
      104      109      118      153      165      178      202
      228      234      235      238      239      244      249
      254      259      263      267      273      283      287
      288      289      295      296      301      302      303
      305      321      323      324      327      331      333
      338      339      340      341      346      347      349
      350      353      362      371      375      376      378
      380      381      402      403      405      418      419
      421      424      431      435      436      440      441
      451      453      456      457      458      459      467
      470      494      495      497      500      501      502
      504      506      509      513      515      518      519
      520      528      538      545      546      549      550
      552      556      558      559      567      569      579
      584      585      591      598
```

```
Corrosion in concrete
--------------------------------------------------------------------------


Record numbers:
          4         13         35         76         78         85         86
        162        166        167        168        174        201        233
        245        268        311        324        325        378        387
        390        398        465        482        498        504        522
        524        530        544        556        558        559        564
        581        589        601
```

```
Environmental cracking
-----------------------------------------------------------------------


Record numbers:
         9        32        33        51        56        63        72
       116       120       132       175       176       303       386
       393       492       552       553       555       556       560
       567       573       574       579       580       581       584
       589       590       601
```

Corrosive wear

Record numbers:

```
       13        17        33        42        54        66        94
      281       312       345       413       456       525       526
      527       552       553       556       557       558       567
      578       589       592
```

Batteries and fuel cells

Record numbers:
23 25 47 65 100 228 268
555 556 569

Medical and dental applications

Record numbers:

```
      27        29        40        89       211       273       328
     420       433       434       444       478       568       578
     579       590
```

Erosion/corrosion

Record numbers:

```
       28        61        73        90       101       152       169
      172       272       305       345       390       552       553
      554       557       558       577       578       580       583
      585       591       592
```

Hydrogen permeation and embrittlement

```
Record numbers:
        32        34        37        45        54        60        72
        78       101       120       121       136       171       251
       260       269       270       303       304       314       317
       366       390       411       416       552       553       555
       558       560       562       564       565       569       573
       580       581       585       587       589       591       601
```

Liquid metal corrosion and embrittlement

Record numbers:

34	45	93	127	362	553	579
580						

Corrosion of composites and metalloids

Record numbers:

30 32 36 40 51 58 130
265 270 273 475 499 503 520
552 553 559 566 569 580 585
591

Stress corrosion cracking

```
-----------------------------------------------------------------------

Record numbers:
          5        12        25        27        29        34        37
         40        42        44        45        46        53        54
         58        64        71        75        97       100       101
        118       120       123       125       130       135       144
        150       152       155       169       171       178       208
        209       219       227       231       242       262       265
        269       270       272       278       282       283       284
        303       304       305       313       314       315       317
        345       366       386       387       389       390       391
        393       433       437       442       503       517       518
        529       534       552       553       554       555       556
        558       560       562       564       566       567       569
        572       573       574       577       579       580       581
        584       585       589       590       591       592       601
```

Corrosion fatigue

```
Record numbers:
        34         35         42         45         46         54         97
       118        123        128        135        155        157        189
       190        220        231        242        278        283        284
       303        313        345        387        437        439        456
       529        552        553        555        556        557        558
       560        567        573        574        578        579        580
       581        589
```

A.C. impedance

Record numbers:

```
       43        100        552        555        556        558        566
      567        569        571        572        574        579        581
      582        583        584        585        589        590        592
      601        602
```

```
Localised corrosion
----------------------------------------------------------------------


Record numbers:
         12          24          33          38          40          43          45
         46          56          68          71          75          95         101
        104         115         125         137         139         144         150
        153         163         169         272         273         278         281
        289         291         303         313         383         387         388
        392         552         553         554         556         558         559
        564         567         569         572         573         575         576
        579         580         581         582         583         584         585
        586         587         589         590         591         592         601
        602
```

```
Passivity
---------------------------------------------------------------------


Record numbers:
        24        29        30        40        45        55        65
        71        72        78        79        81        88       110
       134       137       151       164       176       262       276
       278       291       303       310       344       392       436
       503       552       555       556       558       566       567
       569       572       577       579       580       581       583
       584       586       587       589       590       592       601
       602
```

Aqueous corrosion

```
Record numbers:
         24         27         32         36         37         46         47
         61         72         79         88         93         94         95
        101        105        117        120        122        124        129
        147        153        171        179        182        183        195
        232        264        272        273        275        276        282
        283        312        313        315        316        318        348
        361        411        436        552        553        555        556
        558        559        560        567        568        569        571
        572        575        579        580        583        584        585
        586        587        589        590        591        592        601
        602
```

Electrochemical processing and engineering

Record numbers:

```
        29        30        36        40       552       556       558
       566       572       575       582       601
```

High temperature electrochemistry

Record numbers:

37	42	268	436	551	555	560
566	572	579				

Photoelectrochemistry

Record numbers:
32 571 572 583 602

```
Research techniques
------------------------------------------------------------------------

Record numbers:
          2          5          6         11         12         14         17
         21         22         24         25         26         30         47
         59         62         63         67         68         69         70
         73         74         78         80         81         82         87
         89         90         91         92         93         94         95
         96         99        100        102        199        216        226
        228        231        232        235        244        248        250
        251        258        283        284        285        286        288
        289        290        291        292        293        295        296
        299        302        303        304        305        308        312
        319        324        325        327        328        331        337
        338        344        347        350        352        353        355
        362        366        370        378        381        404        405
        410        413        415        424        425        431        433
        436        439        448        449        453        456        457
        461        463        464        465        466        467        468
        469        470        472        474        476        477        479
        480        485        486        492        495        498        501
        502        504        511        512        513        514        515
        516        517        519        520        521        523        528
        531        537        540        546        547        548        549
        551        552        553        556        558        559        560
        564        566        567        569        595        600        601
        602
```

QUESTIONNAIRE

INTERNATIONAL CORROSION COUNCIL (ICC)
SURVEY OF CORROSION RESEARCH LABORATORIES

Please type or write in block letters the following information:

1. Country where laboratory is located.

2. Name, address, telephone and fax number of institution where the corrosion research is performed.

Telephone number: Fax number:

3. Name(s) of person(s) directing the corrosion research.

4. Names of scientists and/or engineers involved in the corrosion research.

5. Major areas of corrosion research in which the laboratory is involved. (Circle all the topic areas that apply.)

(aa) Fundamental aspects
(ab) Testing, detection and monitoring
(ac) Cathodic/anodic protection
(ad) New materials for corrosion
(ae) Inhibitors
(af) Coatings
(ag) Atmospheric corrosion
(ah) Soil corrosion
(ai) Biological corrosion
(aj) Marine corrosion
(ak) High temperature
(al) Hot corrosion
(am) Chemical and petroleum industry
(an) Power generation industry
(ao) Steel industry
(ap) Electronics industry
(aq) Potable and cooling water systems
(ar) Corrosion in concrete
(as) Environmental cracking
(at) Corrosive wear
(au) Batteries and fuel cells
(av) Medical and dental applications
(aw) Erosion/corrosion
(ax) Hydrogen permeation and embrittlement
(ay) Liquid metal corrosion and embrittlement
(az) Corrosion of composites and metalloids
(bb) Stress corrosion cracking
(bc) Corrosion fatigue
(bd) A.C. impedance
(be) Localised corrosion
(bf) Passivity
(bg) Aqueous corrosion
(bh) Electrochemical processing and engineering
(bi) High temperature electrochemistry
(bj) Photoelectrochemistry
(bk) Research techniques
(bl) Other (please specify)